

National Spatial Data Infrastructure

Public Review Draft: Metadata Profile for Geospatially Referenced Cultural and Demographic Data

Federal Geographic Data Committee
Subcommittee on Cultural and Demographic Data
and U.S. Bureau of the Census

November, 1998

Federal Geographic Data Committee

Department of Agriculture - Department of Commerce - Department of Defense - Department of Energy
Department of Housing and Urban Development - Department of the Interior - Department of State
Department of Transportation - Environmental Protection Agency - Federal Emergency Management Agency - Library of Congress
National Aeronautics and Space Administration - National Archives and Records Administration - Tennessee Valley Authority

Federal Geographic Data Committee

Established by Office of Management and Budget Circular A-16, the Federal Geographic Data Committee (FGDC) promotes the coordinated development, use, sharing, and dissemination of geographic data.

The FGDC is composed of representatives from the Departments of Agriculture, Commerce, Defense, Energy, Housing and Urban Development, the Interior, State, and Transportation; the Environmental Protection Agency; the Federal Emergency Management Agency; the Library of Congress; the National Aeronautics and Space Administration; the National Archives and Records Administration; and the Tennessee Valley Authority. Additional Federal agencies participate on FGDC subcommittees and working groups. The Department of the Interior chairs the committee.

FGDC subcommittees work on issues related to data categories coordinated under the circular. Subcommittees establish and implement standards for data content, quality, and transfer; encourage the exchange of information and the transfer of data; and organize the collection of geographic data to reduce duplication of effort. Working groups are established for issues that transcend data categories.

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INTRODUCTORY MATERIAL

1. Objective - The objectives of the Metadata Profile for Geospatially Referenced Cultural and Demographic Data are to identify a common set of terminology and definitions for the documentation of geospatially referenced cultural and demographic data while furthering an integrated approach to metadata for geospatial data. The profile supplements, and is designed for use with, the Content Standards for Digital Geospatial Metadata and expands on the principles, rules, and compound and data elements within.

Additional objectives of this profile are:

1. improving the utilization of geospatial data in response to Executive Order 12906, *Coordinating Geographic Data Acquisition and Access* (U.S. Executive Office of the President, 1994) by providing data category specific standards,
2. providing metadata for geospatially referenced cultural and demographic data to the National Geospatial Data Clearinghouse, and
3. providing metadata for geospatially referenced cultural and demographic data to help the public locate and access information throughout the U.S. government using the Government Information Locator Service (GILS) and similar search instruments.

2. Scope - The Content Standards for Digital Geospatial Metadata specifies the information content of metadata for a set of digital geospatial data. Metadata are data about the content, quality, condition, and other characteristics of data. The Federal Geographic Data Committee (FGDC) developed the Content Standards for Digital Geospatial Metadata to meet the metadata needs of the broad geospatial data community, with an emphasis on direct spatially referenced data. As a result of the very nature of this approach specific thematic data needs were not addressed. Thus, a large number of the compound and data elements defined in the Content Standards for Digital Geospatial Metadata are not particularly relevant for describing indirectly spatially referenced cultural and demographic data.

The FGDC's Subcommittee on Cultural and Demographic Data developed this profile to supplement and be used with the Content Standards for Digital Geospatial Metadata in order to address the specific thematic needs of the producers and users of cultural and demographic data while furthering an integrated approach to producing and using FGDC-compliant metadata. The Subcommittee believes the profile augments the Content Standards for Digital Geospatial Metadata rather than replacing it, while at the same time providing a less positional and more thematic view of the data. By using the profile as a supplement with the Content Standards for Digital Geospatial Metadata, the cultural and demographic data metadata producer creates FGDC-compliant metadata of significance to cultural and demographic data users.

3. Applicability. The profile is for the documentation of the cultural and demographic content of geospatial data. It is a supplement to and for use with the Content Standards for Digital Geospatial Metadata. The profile applies to all topical data sets involving Federal funding for origination, distribution, or holding by all levels of government, academia, and the private sector.

Future topical data sets with metadata complying to the standard will:

1. be in compliance with the Content Standards for Digital Geospatial Metadata,
2. provide standardized information on the cultural and demographic content of the data set, and
3. help the public locate and access the data set by making the metadata available through either (1) the FGDC sponsored National Geospatial Data Clearinghouse (using the Internet), or (2) the Government Information Locator Service (GILS).

The profile specifies the information content of metadata for a set of geospatially referenced cultural and demographic data. Metadata producers complying with the profile produce FGDC-compliant metadata as the profile requires completion of the metadata core which is comprised of the mandatory compound and data elements of the Content Standards for Digital Geospatial Metadata. The profile also requires cultural and demographic metadata producers to utilize a modified geospatial data metadata section comprised of modifications made to the conditions and domains of data elements of the Content Standards for Digital Geospatial Metadata which are considered essential for describing the cultural and demographic content (and the quality of the cultural and demographic content) of data sets. Additionally, the profile requires the metadata producer to utilize geospatially referenced cultural and demographic data user-defined compound and data elements to provide a more complete description of geospatially referenced cultural and demographic data. The profile supplies source information, definitions, obligations, information about values to be provided for the data elements, ordering of the compound and data elements, and additional production rules for the user-defined compound and data elements.

4. Related Standards:

1. Content Standards for Digital Geospatial Metadata (CSDGM) - This profile was developed to supplement and be used with the CSDGM in order to address the specific thematic needs of the producers and users of cultural and demographic data while furthering an integrated approach to producing and using FGDC-compliant metadata.
2. Spatial Data Transfer Standard (SDTS) - The development of SDTS allowed the transfer of digital spatial data sets between spatial data software. Since the SDTS is a standard for data transfer, its primary metadata content is used to determine the fitness of a geospatial data set for the user's purpose. There is a close relationship between the Content Standard for Digital Geospatial Metadata and its associated profiles with the SDTS metadata elements contained in the Data Quality module, and in other locations inside of the SDTS transfer set. Since the Content Standard for Digital Geospatial Metadata and its profiles contain metadata used to search for digital spatial data sets through a clearinghouse (metadata for locating, describing access, use, and distribution), these elements may not be contained in an SDTS transfer set.
3. Biological Data Profile of the Content Standards for Digital Geospatial Metadata - The Biological Data Profile is closely related to the Metadata Profile for Cultural and Demographic Data as both are profiles to the CSDGM. Both are used as a supplement to address specific thematic needs.

136 4. International Organization for Standards (ISO) 15046 Part 15 Metadata Standard - The
137 June 8, 1994 FGDC Metadata Standard was used as the base document for the International
138 Organization for Standards (ISO) 15046 Part 15. The draft ISO Metadata Standard has had
139 a number of changes made to it during its drafting but contains many of the same details as
140 CSDGM. At the time this profile was prepared, however, the ISO Metadata Standard was
141 in Public Review and subject to significant change before final approval. Therefore, this
142 profile may not reflect the current ISO draft, but is thought to be consistent with it.

143 **5. Standards Development Procedures** - Much of the standard development process was
144 devoted to classifying geospatially referenced cultural and demographic data and determining the
145 components important to describing this data.

146 The Subcommittee on Cultural and Demographic Data, chaired by the U.S. Bureau of the
147 Census, formed a Working Group to define and inventory geospatially referenced cultural and
148 demographic holdings and identify features of cultural and demographic data. Mini-conferences
149 were held to summarize Federal agency needs related to the collection, use, sharing, and
150 dissemination of geospatially referenced cultural and demographic base data.

151 The Subcommittee pursued both informal and formal methods to determine types of geospatially
152 referenced cultural and demographic data important to Federal agencies. A cursory survey of
153 Federal agencies was conducted in 1992. A more detailed survey followed in early 1994 to
154 determine categories, category types, data topics and characteristics, geographic universe, the
155 temporal dimension of the data, data sources, and categorization or classification schemes used
156 for geospatially referenced cultural and demographic data. The community beyond that of
157 Federal agencies was reached by hosting town meetings and panel discussions at professional
158 organization conferences.

159 Additionally, the Internet was used to contact the geospatially referenced cultural and
160 demographic data user community. A message requesting information was mailed to GIS-L
161 (Listserve) and Usenet Newsgroups (comp.infosystems.gis and alt.planning.urban). The mailing
162 is estimated to have reached over 50,000 persons world-wide.

163 Initial studies not only emphasized the variety and diversity of geospatially referenced cultural
164 and demographic data but also highlighted the notion that because cultural and demographic data
165 is so diverse it is more difficult to describe and categorize than other forms of data.
166 Notwithstanding, cultural and demographic data sets share two common components. These
167 components include (1) the thematic, or topical, nature of the data and (2) the geographic aspect
168 of the data. Cultural and demographic data sets are almost always geospatial; however, rather
169 than being directly spatially referenced, the data are most often indirectly spatially referenced.
170 Thus, a significant volume of data being collected and maintained could be used by state and
171 local governments and Federal agencies if there were standards in place facilitating knowledge of
172 these particular types of data sets.

173 Responding to the community needs and to FGDC mandates, the Subcommittee developed a
174 geospatially referenced cultural and demographic data metadata standard to be used as an
175 alternate to (while augmenting) the Content Standards for Digital Geospatial Metadata. The

initial effort, titled *Content Standard for Cultural and Demographic Data Metadata (draft)*, was submitted to the FGDC's Standard Working Group (SWG) for review in June, 1995. In their consideration of the proposed standard, the SWG determined an integrated approach to geospatial metadata would best meet the needs of the entire geospatial data community and asked the Subcommittee to revise its initial standard and present it as a profile to the Content Standards for Digital Geospatial Metadata. The Subcommittee agreed and worked with the FGDC Secretariat to ensure the profile would complement the revision of the Content Standards for Digital Geospatial Metadata, enhancing the direction of metadata in response to comments received from the geospatial data community.

Member agencies of the Subcommittee on Cultural and Demographic Data participating in development of the profile include:

- Department of Agriculture, National Resources Conservation Service
- Department of Agriculture, U.S. Forest Service
- Department of Commerce, Bureau of the Census¹
- Department of Commerce, Office of Ocean Resources, Conservation, and Assessment
- Department of Defense, Tri-Service CADD/GIS Technology Center
- Department of Defense, U.S. Army Corp of Engineers
- Department of Education, National Center for Education Statistics
- Department of Health and Human Services, National Center for Health Statistics
- Department of Housing and Urban Development
- Department of the Interior, Bureau of Indian Affairs
- Department of the Interior, Bureau of Land Management
- Department of the Interior, Fish and Wildlife Service
- Department of the Interior, National Biological Service
- Department of the Interior, National Park Service
- Department of the Interior, U.S. Geological Survey
- Department of Justice, Bureau of Justice Statistics
- Department of Justice, Civil Rights Division
- Department of Justice, Federal Bureau of Investigation
- Department of Labor, Bureau of Labor Statistics
- Department of State
- Environmental Protection Agency
- Federal Emergency Management Agency
- Library of Congress
- National Archives and Records Administration
- National Capital Planning Commission
- Social Security Administration
- Tennessee Valley Authority

¹As lead agency, the Bureau of the Census chairs the Subcommittee.

6. Maintenance Authority. The United States Bureau of the Census is the maintenance authority responsible for this profile. Questions concerning the profile should be addressed to: Cultural and Demographic Metadata Profile Questions, c/o U.S. Bureau of the Census, Geography Division, Geospatial Research and Standards Staff, Washington, DC 20233.

Copies of this publication are available from the Federal Geographic Data Committee Secretariat, 590 National Center, Reston, Virginia 20192; telephone (703) 648-5514; facsimile (703) 648-5755; Internet (electronic mail) fgdc@www.fgdc.gov. The text also is available from anonymous File Transfer Protocol (anonymous ftp) server: www.fgdc.gov and at the FGDC web site: <http://www.fgdc.gov>

SUBCOMMITTEE INFORMATION

The Federal Geographic Data Committee's (FGDC) Subcommittee on Cultural and Demographic Data (the Subcommittee) was formed in 1991. The Department of Commerce, exercising its responsibility for the coordination, management, and dissemination of geospatially referenced cultural and demographic data, delegated the Subcommittee lead agency responsibility to the Bureau of the Census.

The primary mission of the Subcommittee is to promote the collection, use, and sharing of geospatially referenced cultural and demographic data. Additional Subcommittee responsibilities partially include:

1. assisting the Bureau of the Census in establishing and publishing standards and specifications for reporting geospatially referenced cultural and demographic data, including the use of measurement units, and assisting in establishing priorities for their production,
2. developing and adopting common standards of content, format, and accuracy for Federal agencies to use when reporting and transferring geospatially referenced cultural and demographic data and encouraging the use of these standards by non-Federal organizations by increasing the interchangeability of these data and enhancing their potential for multiple use,
3. promoting government-wide use of the Spatial Data Transfer Standard (Federal Information Processing Standard 173) for the exchange of applicable geospatially referenced cultural and demographic data, and
4. establishing and maintaining mechanisms and reports to help others ensure that the geospatially referenced cultural and demographic data sets they maintain can be used by agencies participating in the National Spatial Data Infrastructure..

MODELING THE DATA AND THE PROFILE

Modeling the Data

A Model for Geospatial Data. Successful creation of the Content Standards for Digital Geospatial Data was due in part to an unwritten understanding or perception of the fundamental units of geospatial data. The fundamental units of geospatial data appear to be the geographic units of points, lines, and areas (and volume or surface under special circumstances). Base features developed from these units form an important framework for such operations as delineating the boundaries of higher level geographic units. Base features may include roads, rivers, pipelines, etc. The exact features that organizations categorize as necessary base features varies and depends on the organizations' requirements for, and use of, a database and extractions from it.

The basic building blocks used to construct both the higher geographic units and the base features are points, lines, and areas (polygons). The building blocks are considered as being positioned through the use of commonly accepted coordinate systems (often latitude/longitude). Different organizations have different terminology for the building blocks as well as different coordinate schemes. This fundamental model and the common building blocks are depicted graphically in Figure 1.

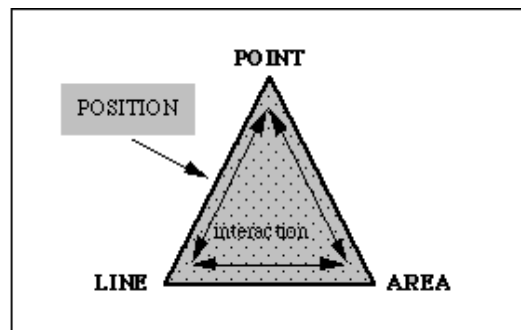


Figure 1. The building blocks of geospatial data.

A Model for Cultural and Demographic Data. Whereas for geospatial data there exist the fundamental units of points, lines, or areas, a corresponding data unit for cultural and demographic data is elusive at present and difficult to conceptualize. The Subcommittee defines geospatially referenced cultural and demographic data as having components of, but not being limited to, compilations of findings about the people and institutions of the United States and its territories: the characteristics of the people, the nature of the dwellings in which they live, the economic activities they pursue (such as the farms on and establishments or organizations for which they work), the facilities they use to support their health and recreational needs, the impact of humans on the environment and the environment on them, and the boundaries, names and numeric codes of the geographic entities used to report the data collected. Cultural and demographic data are the data contained in or represented by the geographic framework units.

The identification of the basic cultural and demographic data unit seems to be centered on three questions:

QUESTION 1. Does the data describe a (human) activity, for example an economic activity or a land use activity?

QUESTION 2. Does the data describe an aspect of humans, for example their health or age?

QUESTION 3. Does the data describe an aspect of (human) society, for example its political, social, or historical aspects?

It appears all cultural and demographic data fits into at least one and possibly more of these categories similar to the way in which typical geographic data may be categorized as points, lines, and areas. Loosely applying the "geometric" model, one can consider the human as the point, society as the line (linking humans and bounding activities), and activities as taking place over or in relation to an area. And just as there appears to be a common reference to all typical geographic features by position, there appears to be a common reference to all cultural and demographic data by count, such as its number or amount. Figure 2 depicts this model graphically.

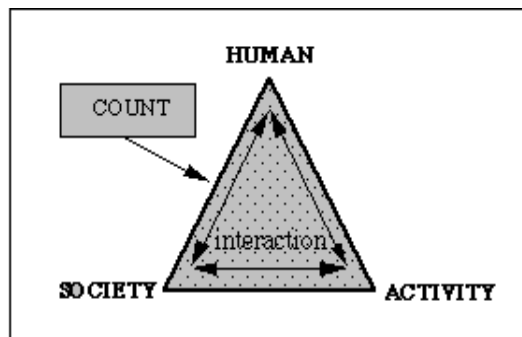


Figure 2. The building blocks of cultural and demographic data.

The profile uses this conceptual data model in identifying the geospatially referenced cultural and demographic data metadata core and defining geospatially referenced cultural and demographic data user-defined metadata elements. The model additionally requires the introduction of new production rules for use with the geospatially referenced cultural and demographic data user-defined metadata elements as fundamental to describing the cultural and demographic data subject matter content (themes). Theme prioritizing, i.e. hierarchical or nested relationships, is the most difficult task for the metadata producer given the complexity of ideas which can make up a data set.

Modeling the Profile

In developing the profile the Subcommittee used the following assumptions:

1. the profile supplements, and is used with, the Content Standards for Digital Geospatial Metadata,
2. the profile references, but does not repeat, the Content Standards for Digital Geospatial Metadata,
3. the profile applies to data sets contained at local, state, Federal and international levels in both governmental and non-governmental systems,
4. the profile does not judge or qualify information contained in geospatially referenced cultural and demographic data sets,
5. the profile is data topical and geospatially referenced, and
6. the profile is technology independent. A basic level of database, information systems, and computational capabilities are required to implement the standard. Technology independent means that no specific brand names or products are implied or intended in the profile.

Metadata producers using the profile as a supplement to the Content Standards for Digital Geospatial Metadata will describe the cultural and demographic data content of a data set and, additionally, achieve the larger goal of producing geospatial metadata for a data set.

Appendix A is a series of diagrams applying the *Federal Information Processing Standards Publication 183: Integration Definition for Function Modeling (IDEF0)* (FIPS PUB 183). IDEF0 modeling language and associated rules and techniques develop a structured graphic representation of the function "Produce FGDC-compliant metadata for geospatially referenced cultural and demographic data," clearly illustrating the relationship between the profile and the Content Standards for Digital Geospatial Metadata.

ORGANIZATION OF THE PROFILE

Sections

The profile is organized in three mandatory sections. Each section is comprised of compound and data elements which, when taken together, define required information content for metadata to document a set of geospatially referenced cultural and demographic data. The sections are distinguished by the origin and the obligations for use of their compound and data elements:

SECTION 1. Mandatory compound and data elements of the Content Standards for Digital Geospatial Metadata.

SECTION 2. Modified geospatial data metadata comprised of modifications made to the conditions and domains of data elements of the Content Standards for Digital Geospatial Metadata.

SECTION 3. Geospatially referenced cultural and demographic data user-defined metadata elements.

Section 1 refers the metadata producer to the Content Standards for Digital Geospatial Metadata for the mandatory compound and data elements required by the standard.

Section 2 identifies changes made to the conditions and domains of data elements of the Content Standards for Digital Geospatial Metadata which are considered essential for describing the cultural and demographic content (and the quality of the cultural and demographic content) of data sets. The obligation for use assigned the compound and data elements of the Modified Geospatial Data Metadata is mandatory or mandatory if applicable, superseding the optional obligation for use assigned them in the Content Standards for Digital Geospatial Metadata. The metadata producer is referred to the Content Standards for Digital Geospatial Metadata for definitions, which remain unchanged.

Section 3 provides the names and definitions of the geospatially referenced cultural and demographic data user-defined compound and data elements. The source, obligation for use, element the compound or data element leads or follows, type, and domain are provided.

Compound Elements

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Production Rules

The existing production rules and symbols as defined in the Content Standards for Digital Geospatial Metadata apply to the profile and remain unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Given the complexity of relationships within the cultural and demographic component of a data

set, e.g. the hierarchical ordering and/or nesting of themes, the profile identifies two additional production rules which are applicable only to the geospatially referenced cultural and demographic data user-defined data elements of Section 3. The symbols used in the production rules have the following meaning:

<u>Symbol</u>	<u>Meaning</u>
>	hierarchical relation - the data element value has a hierarchical relation with the following metadata value(s). Both comprise a "branch" of information, the following metadata value(s) nest under this value.
,	same-level relation - separates same-level data element metadata values which are part of a "branch" of information.

Data Elements

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Calendar Dates (Years, Months, and Days)

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Time of Day (Hours, Minutes, and Seconds)

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Latitude and Longitude

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

Network Addresses and File Names

Unchanged; refer to the Content Standards for Digital Geospatial Metadata.

**SECTION 1. MANDATORY ELEMENTS FROM THE
CONTENT STANDARDS FOR DIGITAL GEOSPATIAL METADATA**

This section includes all the mandatory compound and data elements from the Content Standards for Digital Geospatial Metadata.

The obligation of this section is mandatory--it must be completed by the metadata producer.

Refer to the Content Standards for Digital Geospatial Metadata for the mandatory compound and data elements, their definitions, type, domains, and production rules.

SECTION 2. MODIFIED GEOSPATIAL DATA METADATA

This section includes changes made to the conditions and domains of data elements of the Content Standards for Digital Geospatial Metadata which are considered essential for describing the cultural and demographic content (and the quality of the cultural and demographic content) of data sets. The obligation for use assigned the compound and data elements of the Modified Geospatial Data Metadata is mandatory or mandatory if applicable, superseding the optional obligation for use assigned them in the Content Standards for Digital Geospatial Metadata.

The obligation of this section is mandatory--it must be completed by the metadata producer.

Refer to the Content Standards for Digital Geospatial Metadata for the definitions of the compound and data elements comprising the Modified Geospatial Data Metadata. Production rules, types, and domains are provided below for the modified elements (this information may vary from the information provided in the Content Standards for Digital Geospatial Data and supersedes it).

Bold items highlight the modification(s), superseding specifications in the Content Standards for Digital Geospatial Data Metadata

Modified Geospatial Data Metadata =

1.5 Spatial Domain

Type: compound

Obligation: mandatory if applicable

Short Name: spdom

1.6.1.2 Theme Keyword

Type: text

Obligation: mandatory

Domain: "Agriculture" "Archeology" "Architecture, art" "Archives, museum, museum collections" "Attitudes, outlook" "Banking, finance, insurance" "Business enterprise" "Communications" "Construction" "Customs" "Diet, traditional foods" "Domestic trade, service" "Economics" "Education" "Energy" "Environment" "Family life" "Finances, employment (federal)" "Finances, employment (state, local)" "finances, employment (corporate)" "Fisheries" "Foreign trade, commerce" "Forests, forest products" "Geography" "Government, politics" "Health, nutrition" "Heritage" "History" "Housing" "Income, expenditures, wealth" "Industrialization" "Labor force, employment, earnings" "Language" "Law enforcement, courts, prisons" "Manufacturers" "Migration, naturalization" "Mining, mining products" "National defense, veterans affairs" "Nationality" "Navigation" "Parks, recreation" "Population" "Prices" "Science, technology"

427		"Settlement" "Skills" "Social insurance, Human services"
428		"Transportation" "Vital statistics" "War" free text
429		Theme Keyword must match a response to the geospatially
430		referenced cultural and demographic data user-defined metadata
431		element Major Theme
432		Short Name: themekey
433	1.6.2	Place
434		Type: compound
435		Obligation: mandatory
436		Short Name: place
437	1.6.2.2	Place Keyword
438		Type: text
439		Obligation: mandatory if applicable
440		Domain: free text
441		(Place Keyword must match a response to the geospatially referenced
442		cultural and demographic data user-defined metadata element
443		Geographic Extent Description.)
444		Short Name: placekey
445	1.12	Security Information
446		Type: compound
447		Obligation: mandatory if applicable
448		Short Name: secinfo
449	2.	Data Quality Information
450		Type: compound
451		Obligation: mandatory
452		Short Name: dataqual
453	2.1.1	Attribute Accuracy Report
454		Type: text
455		Obligation: mandatory
456		Domain: "Unknown" free text
457		Short Name: attraccr
458	2.1.2	Quantitative Attribute Accuracy Assessment
459		Type: compound
460		Obligation: mandatory if applicable
461		Short Name: qattracc

2.1.2.2 Attribute Accuracy Explanation

Type: text

Obligation: mandatory

Domain: "Unknown" free text

Short Name: attracce

2.2 Logical Consistency Report

Type: text

Obligation: mandatory if applicable**Domain: "Unknown"** free text

Short Name: logic

2.3 Completeness Report

Type: text

Obligation: mandatory if applicable**Domain: "Unknown"** free text

Short Name: complete

2.4.1.1 Horizontal Positional Accuracy Report

Type: text

Obligation: mandatory

Domain: "Unknown" free text

Short Name: horizpar

2.4.2.1 Vertical Positional Accuracy Report

Type: text

Obligation: mandatory

Domain: "Unknown" free text

Short Name: vertaccr

2.5.2.4 Process Time

Type: time

Obligation: mandatory if applicable

Domain: free time

Short Name: proctime

6.4.2.1.1 Format Name

Type: text

Obligation: mandatory

Domain: refer to the Content Standards for Digital Geospatial Metadata

Short Name: formname

498	6.4.2.1.2	Format Version Number
499		Type: text
500		Obligation: mandatory if applicable
501		Domain: free text
502		Short Name: formvern
503	6.4.2.1.3	Format Version Date
504		Type: date
505		Obligation: mandatory if applicable
506		Domain: free date
507		Short Name: formverd
508	6.4.2.1.4	Format Specification
509		Type: text
510		Obligation: mandatory if applicable
511		Domain: free text
512		Short Name: formspec
513	6.4.2.1.5	Format Information Content
514		Type: text
515		Obligation: mandatory if applicable
516		Domain: free text
517		Short Name: formcont
518	6.4.2.1.7	Transfer Size
519		Type: real
520		Obligation: mandatory if applicable
521		Domain: Transfer Size > 0.0
522		Short Name: transize
523	6.4.3	Fees
524		Type: text
525		Obligation: mandatory
526		Domain: "None" free text
527		Short Name: fees
528	6.4.4	Ordering Instructions
529		Type: text
530		Obligation: mandatory if applicable
531		Domain: free text
532		Short Name: ordering

- 533 6.4.5 Turnaround
534 Type: text
535 **Obligation: mandatory if applicable**
536 Domain: free text
537 Short Name: turnarnd
- 538 6.6 Technical Prerequisites
539 Type: text
540 **Obligation: mandatory if applicable**
541 **Domain: "None"** free text
542 Short Name: techpreq
- 543 6.7 Available Time Period
544 Type: compound
545 **Obligation: mandatory**
546 Short Name: availabl
- 547 7.2 Metadata Review Date
548 Type: date
549 **Obligation: mandatory if applicable**
550 Domain: free date; Metadata Review Date Later than Metadata Review Date
551 Short Name: metrd
- 552 7.7 Metadata Time Convention
553 Type: text
554 **Obligation: mandatory**
555 Domain: "Local time" "Local time with time differential factor" "universal time"
556 Short Name: mettc

SECTION 3. GEOSPATIALLY REFERENCED CULTURAL AND DEMOGRAPHIC DATA USER-DEFINED METADATA

This section includes the mandatory compound and data elements considered essential for describing the cultural and demographic content of data sets defined by sources other than the Content Standards for Digital Geospatial Data Metadata. The obligation assigned all compound and data elements of the Geospatially Referenced Cultural and Demographic Data User-Defined Metadata Elements is mandatory or mandatory if applicable.

The obligation of this section is mandatory--it must be completed by the metadata producer.

Name, definition, production rules, types, and domains are provided below. Additionally, the source and the element from the Content Standards for Digital Geospatial Metadata that the compound or data element leads or follows is given.

Geospatially Referenced Cultural
and Demographic Data User-defined

Metadata Elements = 1{Geographic Extent}n +
1{Main Theme}n

Geographic Extent = Geographic Extent Description +
1{Geographic Entity}n

Geographic Entity = 1{Geographic Entity Type +
0{Geographic Entity Unit}n +
0{Missing Geography}n }n

Missing Geography = 0{Missing Geographic Entity Unit Identifier}1 +
1{Missing Geographic Entity Unit}n }n

Main Theme = Definition/Classification +
1{ 1{Major Theme Description}n² +
0{ 0{Minor Theme Description}n³ +
0{[Computed Value | Scalar]1 }n }n

²May be same-level (,) or nested (>)

³May be same-level (,) or nested (>)

586 Geographic Extent -- the geographic areal domain of the data set. Consists of:

587 Source: the Subcommittee

588 Type: compound

589 Obligation: mandatory

590 Follows: South Bounding Coordinate

591 Short Name: geoex

592 Geographic Extent Description -- a brief description of the maximum geographic coverage of
593 the data set, generally a common name of the geographic region/entity/area.

594 Source: the Subcommittee

595 Type: text

596 Obligation: mandatory

597 Follows: Geographic Extent

598 Domain: free text

599 Short Name: geoexd

600 Geographic Entity -- describes the geographic entity(s) for which data is collected, analyzed,
601 and/or presented. Consists of:

602 Source: the Subcommittee

603 Type: compound

604 Obligation: mandatory

605 Follows: Geographic Extent Description

606 Short Name: geoen

607 Geographic Entity Type -- the type of geographic entity for which data is collected,
608 analyzed, and/or presented.

609 Source: the Subcommittee

610 Type: text

611 Obligation: mandatory

612 Follows: Geographic Entity

613 Domain: "Hydrographic" "Legal, administrative" "Statistical, thematic"

614 Short Name: geoentyp

615 Geographic Entity Unit -- The geographic unit(s) of the indicated geographic entity type
616 for which data is collected, analyzed, and/or presented.

617 Source: the Subcommittee

618 Type: text

619 Obligation: mandatory

620 Follows: Geographic Entity Type

621 Domain: If Geographic Entity Type is "Hydrographic" select from "Coastal
622 Drainage Area (CDA)" "Coastal, estuarine waters" "Drainage basin"
623 "Estuarine Drainage Area (EDA)" "Fluvial Coastal Drainage Area
624 (FCDA)" "Fluvial Drainage Area (FDA)" "National water quality
625 assessment program study site" "Port" "Water body" "Wetlands" free
626 text
627 If Geographic Entity Type is "Legal, administrative" select from "United

628 States" "American entity trust land" "American indian reservation"
 629 "American indian reservation with trust land" "Alaska native village"
 630 "Alaska native regional corporation" "Congressional district"
 631 "Consolidated city" "County" "Incorporated place" "Minor civil
 632 division" "Neighborhood" "Outlying area" "School district" "State"
 633 "Voting district" "ZIP code" free text
 634 If Geographic Entity Type is "Statistical, thematic" select from "Alaska
 635 native village statistical area" "Block" "Block group" "Census county
 636 division" "Census designated place" "Census tract or block numbering
 637 area" "Central city" "Central place" "Consolidated metropolitan
 638 statistical area" "Division" "Enumeration district" "Metropolitan
 639 statistical area" "National forest" "National monument" "National park"
 640 "Primary metropolitan statistical area" "Public domain" "Region:
 641 national" "The world" "Traffic analysis zone" "tribal designated
 642 statistical area" "Tribal jurisdiction statistical area" "Urbanized area"
 643 free text

644 Short Name: geoenu

645 Missing Geography -- specific geographic of the identified Geographic Entity Unit which
 646 logically should be included in the data set (i.e. are within the Bounding
 647 Coordinates) but are missing from the data set coverage. Consists of:

648 Source: the Subcommittee

649 Type: compound

650 Obligation: mandatory if applicable

651 Follows: Geographic Entity Unit

652 Short Name: mgeo

653 Missing Geographic Entity Unit Identifier -- the system for identifying any missing

654 Geographic Entity Units.

655 Source: the Subcommittee

656 Type: text

657 Obligation: mandatory

658 Follows: Missing Geography

659 Domain: free text

660 Short Name: mgeoenui

661 Missing Geographic Entity Unit -- the identifier for a missing Geographic Entity

662 Unit, reported in the identified Missing Geographic Entity Unit Identifier system.

663 Source: the Subcommittee

664 Type: text

665 Obligation: mandatory

666 Follows: Missing Geography

667 Domain: free text

668 Short Name: mgeoenu

669 Main Theme -- identifies and describes a main component of the cultural and demographic

670 content of the data set. Consists of:

671 Source: the Subcommittee

672 Type: compound

673 Obligation: mandatory

674 Follows: Theme Keyword (the first Main Theme follows the last Theme Keyword if multiple
675 instances of Theme Keyword are given)

676 Short Name: mainthem

677 Definition/Classification -- verbal description defining terms and/or the data set classification
678 system(s) or a reference to their location. The reference may be either printer material or
679 another data set.

680 Source: the Subcommittee

681 Type: text

682 Obligation: mandatory

683 Follows: Main Theme

684 Domain: free text

685 Short Name: defclass

686 Major Theme Description -- brief description of a major component (main topic) of the
687 cultural and demographic content of the data set. Nesting of Major Theme Descriptions
688 allows elaboration on previous-level entry(s) until a component of the cultural and
689 demographic data set is considered adequately described.

690 Source: the Subcommittee

691 Type: text

692 Obligation: mandatory

693 Follows: Definition/Classification

694 Domain: "Agriculture" "Archeology" "Architecture, art" "Archives, museum, museum
695 collections" "Attitudes, outlook" "Banking, finance, insurance" "Business enterprise"
696 "Communications" "Construction" "Customs" "Diet, traditional foods" "Domestic trade,
697 service" "Economics" "Education" "Energy" "Environment" "Family life" "Finances,
698 employment (federal)" "Finances, employment (state, local)" "finances, employment
699 (corporate)" "Fisheries" "Foreign trade, commerce" "Forests, forest products"
700 "Geography" "Government, politics" "Health, nutrition" "Heritage" "History" "Housing"
701 "Income, expenditures, wealth" "Industrialization" "Labor force, employment, earnings"
702 "Language" "Law enforcement, courts, prisons" "Manufacturers" "Migration,
703 naturalization" "Mining, mining products" "National defense, veterans affairs"
704 "Nationality" "Navigation" "Parks, recreation" "Population" "Prices" "Science,
705 technology" "Settlement" "Skills" "Social insurance, Human services" "Transportation"
706 "Vital statistics" "War" free text

707 Short Name: majthemd

Minor Theme Description -- brief description of a minor component of the cultural and demographic content of the data set used to further describe either the Major Theme Description or the previous level Minor Theme Description. Nesting of Minor Theme Descriptions allows elaboration on previous-level entry(s) until a component of the cultural and demographic data set is considered adequately described.

Source: the Subcommittee

Type: text

Obligation: mandatory if applicable

Follows: Major Theme Description or Minor Theme Description

Domain: "Abortions" "Accidents, safety" "Acquisitions" "Acreage" "Activities" "Age composition" "Aid" "Air, land, water" "Aircraft" "Amount" "Alien registration" "Armed forces" "Arrests, sentences, appeals" "Assets, liabilities" "Attendance" "Benefits" "Biota" "Births, deaths" "Boundary" "Building" "Businesses" "Campaigns" "Capacity" "Capital punishment" "Cargo" "Care" "Catch" "Cause" "Cemetery" "Climate" "Commercial" "Commuters, drivers" "Composition" "Conditions" "Consumption" "Contaminants" "Courts" "Crime" "Criminal justice system" "Criminals" "Crops" "Currency" "Debt" "Disability" "Disposal" "Distribution" "Educational status" "Educators" "Emigration" "Employees" "Employers" "Employment" "Endangered species" "Enrollment" "Equipment" "Ethnic stock" "Expenditure" "Facilities" "Family relationships" "Farms" "Fees, royalties" "Fertility" "Fertilizers" "Finances" "Fish kills" "Flow of funds accounts" "Foreign trade" "Forest system, national" "Franchising" "Freight" "Funding" "Government" "Grants, credits" "Gross national product" "Health" "Highways" "Holdings" "Housing unit" "Illiteracy" "Immigration" "Income" "Index" "Industry" "Institutions" "Insurance" "Investments" "Investors" "Irrigation" "Jurisdiction" "Labor force" "Landing strip" "Law enforcement" "Licenses" "Life expectancy" "Livestock" "Local expert" "Location" "Machinery" "Marital status" "Migration" "Monument" "Morbidity" "Mortgages" "Mutual funds" "National defense" "Nativity" "Naturalization" "New, failure" "Nutrition" "Occupation" "Offenses" "Officers" "Officials" "Organizations" "Organizations, labor" "Ownership" "Parks and forests" "Parole" "Passengers" "Patents, trademarks" "Payroll" "Personal wealth" "Pesticides" "Pipelines" "Place of work" "Postal service" "Poverty status" "Precipitation" "Price" "Prisons" "Processing" "Producers" "Production" "Products" "Programs" "Protected areas" "Proximity" "Quality" "Quantity" "Race" "Rail" "Recipients" "Recovery" "Registrations" "Regulations" "Remote access" "Research and development" "Reserves" "Residence" "Resources" "Revenue" "Roads" "Rural" "Sales" "Savings" "Securities" "Sediments" "Sex composition" "Shellfish" "Shipbuilding" "Shipments" "Site" "Size" "Space program" "Students" "Subscriptions" "Subsistence" "Sunshine" "Supply, demand" "Tax" "Temperature" "Tourism" "Trade origin, destination" "Traffic hubs" "Transactions" "Travel" "Travelers" "Type" "Unemployment" "Urban" "Usage, utilization" "Value" "Value added" "Vehicles" "Vessels" "Veterans" "Veterans affairs" "Victims" "Visitation" "Volume" "Vote cast" "Voters" "Wages, earnings" "Waste" "Wildfires" "Wind speed" "Years completed" free text

Short Name: minthemd

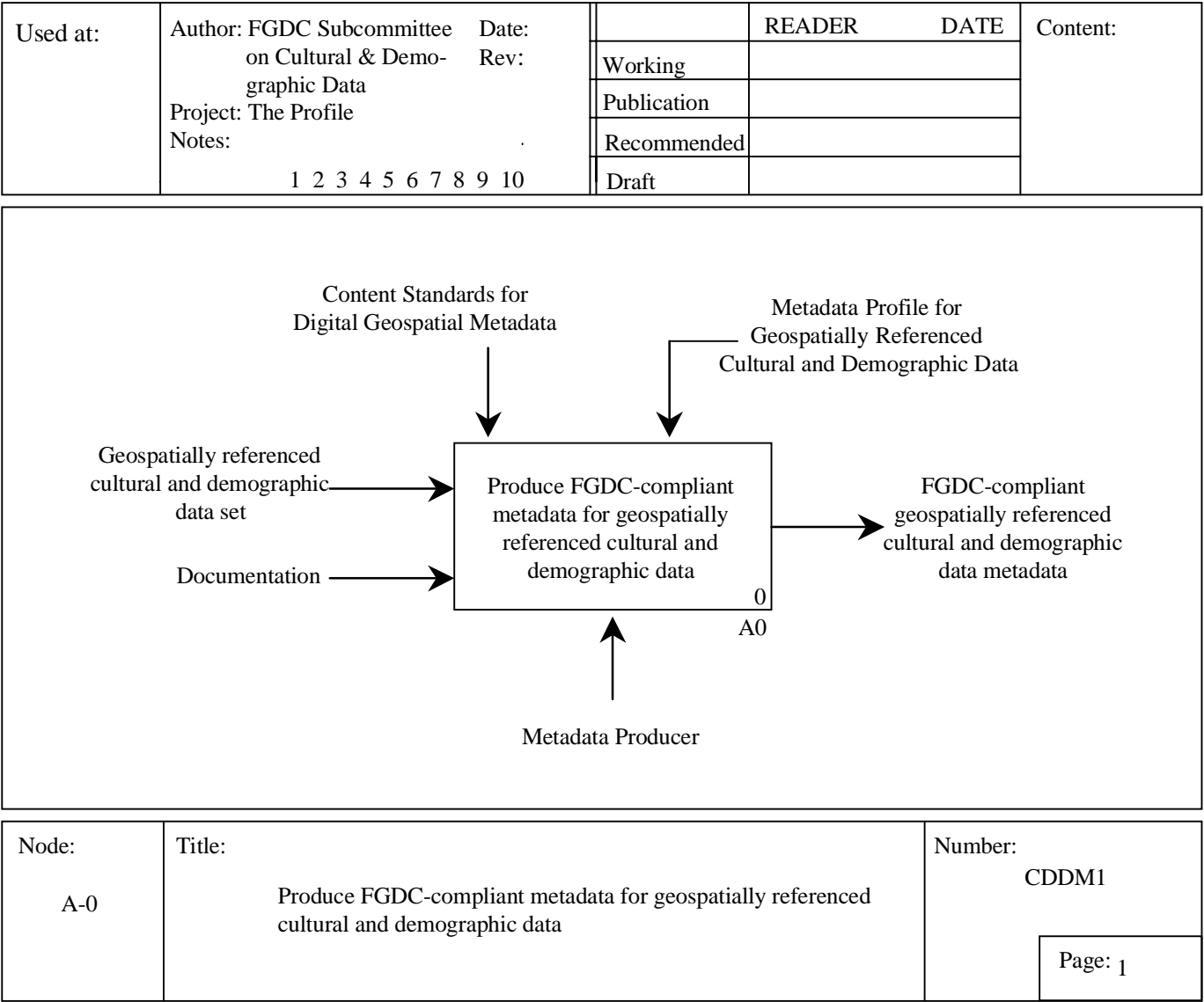
753 Computed Value -- indicates data set values are computed values by specifying the
754 computed components and their relationships. For example, "persons per square
755 acre" indicates a computed value appears in the data set.
756 Source: the Subcommittee
757 Type: text
758 Obligation: mandatory if applicable
759 Follows: Major Theme Description or Minor Theme Description (always follows
760 final Major Theme Description or Minor Theme Description in the event of a
761 hierarchical path.)
762 Domain: free text
763 Short Name: compval

764 Scalar -- factor allowing the determination of actual data values when applied to the
765 given data set domain values. For example, "in thousands" indicates the data set
766 domain values must be multiplied by 1,000 to obtain actual data values.
767 Source: the Subcommittee
768 Type: text
769 Obligation: mandatory if applicable
770 Follows: Major Theme Description or Minor Theme Description (always follows
771 final Major Theme Description or Minor Theme Description in the event of a
772 hierarchical path.)
773 Domain: free text
774 Short Name: scalar

IDEF0 Model of the Profile

(Informative)

Appendix A



Used at:	Author: FGDC Subcommittee on Cultural & Demo- graphic Data Project: The Profile Notes: <div>12345678910</div>	Date: Rev:		READER	DATE	Content:
			Working			
			Publication			
			Recommended			
			Draft			

```
graph LR; C1 --> A1; C2 --> A1; C2 --> A2; C2 --> A3; I1 --> A1; I1 --> A2; I1 --> A3; M1 --> A1; M1 --> A2; M1 --> A3; A1 --> A2; A2 --> A3; A2 --> O1; A3 --> O1;
```

Node:	Title:	Number:
A0	Plan to produce FGDC-compliant metadata for geospatially referenced cultural and demographic data	CDDM2
		Page: 2

Used at:	Author: FGDC Subcommittee on Cultural & Demo- graphic Data Project: The Profile Notes: <div>12345678910</div>	Date: Rev:		READER	DATE	Content:
			Working			
			Publication			
			Recommended			
			Draft			

Content Standards for
Digital Geospatial Metadata

Metadata Profile for
Geospatially Referenced
Cultural and Demographic Data

Documentation

Acquire mandatory Identification,
Metadata Reference,
Citation, Time Period,
and Contact Information
1

Section 1: Mandatory Elements
from the Content Standards for
Digital Geospatial Metadata

Data set holder:
archivist, distributor,
originator, or user

OR

Data set originator:
compiler or editor

Node: A1	Title: Produce Section 1: Mandatory Elements from the Content Standards for Digital Geospatial Metadata	Number: CDDM3
		Page: 3

Used at:	Author: FGDC Subcommittee on Cultural & Demo- graphic Data Project: The Profile Notes: <div>1 2 3 4 5 6 7 8 9 10</div>	Date: Rev:		READER	DATE	Content:
			Working			
			Publication			
			Recommended			
			Draft			

Content Standards for
Digital Geospatial Metadata

Metadata Profile for
Geospatially Referenced
Cultural and Demographic Data

Documentation →

Acquire mandatory and mandatory
if applicable
Identification, Distributor,
Metadata Reference,
Citation, Time Period,
and Contact Information
1

→ Section 2: Modified Geospatial Data
Metadata

Data set holder:
archivist, distributor,
originator, or user

OR

Data set originator:
compiler or editor

Node: A2	Title: Produce Section 2: Modified Geospatial Data Metadata	Number: CDDM4
		Page: 4

Used at:	Author: FGDC Subcommittee on Cultural & Demo- graphic Data Project: The Profile Notes: <div>1 2 3 4 5 6 7 8 9 10</div>	Date: Rev:		READER	DATE	Content:
			Working			
			Publication			
			Recommended			
			Draft			

Content Standards for
Digital Geospatial Metadata

Metadata Profile for
Geospatially Referenced
Cultural and Demographic Data

Geospatially
referenced
cultural and
demographic
data set

Acquire
mandatory
geographic
information
1
A31

Extract
mandatory
thematic
information
2

Section 3:
Geospatially
Referenced Cultural
and Demographic Data
User-Defined Metadata

Metadata Producer

Node: <div>A3</div>	Title: <div>Produce Section 3: Geospatially Referenced Cultural and Demographic Data User-defined Metadata</div>	Number: <div>CDDM5</div> <div>Page: 5</div>
------------------------	---	--

Used at:	Author: FGDC Subcommittee on Cultural & Demo- graphic Data Project: The Profile Notes:	Date: Rev:		READER	DATE	Content:
			Working			
			Publication			
			Recommended			
			Draft			
1 2 3 4 5 6 7 8 9 10						

Content Standards for
Digital Geospatial Metadata

Metadata Profile for Geospatially Referenced
Cultural and Demographic Data

Geospatially
referenced
cultural and
demographic
data set

Coordinate-based
nominally coded
geographic file

Extract
geographic
information

Determine
bounding box
information

Determine
nominal geocode
information

Geocoding scheme

Geocode translation programs

Geoposition translation programs

Contains bounding box coordinates

Lacks bounding
box coordinates

Contains nominal geocodes

Lacks nominal
geocodes

Contains bounding box
coordinates

Contains nominal
geocodes

Geographic
Information

Node:	Title:	Number:
A31	Produce geographic information (Sections 1 and 3)	CDDM6
		Page: 6

Appendix B**Alphabetical List of Compound and Data Elements**
(Informative)

The following is an alphabetical list of the compound and data elements comprising the Metadata Profile for Geospatially Referenced Cultural and Demographic Data. Plain-font items are the mandatory elements from the Content Standards for Digital Geospatial Metadata. *Italicized* items are the modified geospatial data metadata elements. **Bold** items are the geospatially referenced cultural and demographic data user-defined metadata elements.

Abstract
Access Constraints
Attribute Accuracy
Attribute Accuracy Explanation
Attribute Accuracy Report
Attribute Accuracy Value
Available Time Period
Bounding Coordinates
Citation
Citation Information
Completeness Report
Computed Value
Computer Contact Information
Contact Information
Currentness Reference
Custom Order Process
Data Quality Information
Definition/Classification
Description
Digital Transfer Options
Digital Form
Distribution Information
Digital Transfer Information
Distribution Liability
Distributor
East Bounding Coordinate
Fees
File Decompression Technique
Format Information Content
Format Name
Format Specification
Format Version Number
Format Version Date
Geographic Entity
Geographic Entity Type
Geographic Entity Unit
Geographic Extent

823	Geographic Extent Description
824	Horizontal Positional Accuracy
825	Horizontal Positional Accuracy Explanation
826	<i>Horizontal Positional Accuracy Report</i>
827	Horizontal Positional Accuracy Value
828	Identification Information
829	Keywords
830	Lineage
831	<i>Logical Consistency Report</i>
832	Main Theme
833	Maintenance and Update Frequency
834	Major Theme Description
835	Metadata Contact
836	Metadata Date
837	<i>Metadata Review Date</i>
838	Metadata Standard Name
839	Metadata Standard Version
840	Metadata Reference Information
841	<i>Metadata Time Convention</i>
842	Minor Theme Description
843	Missing Geographic Entity Unit
844	Missing Geographic Entity Unit Identifier
845	Missing Geography
846	Network Address
847	Network Resource Name
848	Non Digital Form
849	North Bounding Coordinate
850	Offline Media
851	Offline Option
852	Online Option
853	<i>Ordering Instructions</i>
854	Originator
855	<i>Place</i>
856	<i>Place Keyword</i>
857	Place Keyword Thesaurus
858	Point of Contact
859	Positional Accuracy
860	Process Date
861	Process Description
862	Process Step
863	<i>Process Time</i>
864	Progress
865	Publication Date
866	Purpose
867	<i>Quantitative Attribute Accuracy Assessment</i>
868	Quantitative Horizontal Positional Accuracy Assessment
869	Quantitative Vertical Positional Accuracy Assessment

870	Resource Description
871	Scalar
872	Security Classification
873	Security Classification System
874	Security Handling Description
875	<i>Security Information</i>
876	Source Citation
877	Source Citation Abbreviation
878	Source Contribution
879	Source Currentness Reference
880	Source Information
881	Source Produced Citation Abbreviation
882	Source Scale Denominator
883	Source Time Period of Content
884	Source Used Citation Abbreviation
885	South Bounding Coordinate
886	<i>Spatial Domain</i>
887	Standard Order Process
888	Status
889	<i>Technical Prerequisites</i>
890	Theme
891	<i>Theme Keyword</i>
892	Theme Keyword Thesaurus
893	Time Period Information
894	Time Period of Content
895	Title
896	<i>Transfer Size</i>
897	<i>Turnaround</i>
898	Use Constraints
899	Vertical Positional Accuracy
900	Vertical Positional Accuracy Explanation
901	<i>Vertical Positional Accuracy Report</i>
902	Vertical Positional Accuracy Value
903	West Bounding Coordinate

Appendix C**Recommended Ordering of Compound and Data Elements**
(Informative)

Bold items represent the elements to which metadata information is input. *Italicized* items are the geospatially referenced cultural and demographic data user-defined metadata elements.

Identification Information

Citation

Citation Information

Originator**Publication Date****Title**

Description

Abstract**Purpose**

Time Period of Content

Time Period Information (Compound data element, refer to Section 9 of the CSDGM⁴)

Currentness Reference

Status

Progress**Maintenance and Update Frequency**

Spatial Domain

Bounding Coordinates

West Bounding Coordinate**East Bounding Coordinate****North Bounding Coordinate****South Bounding Coordinate***Geographic Extent****Geographic Extent Description****Geographic Entity****Geographic Entity Type******Geographic Entity Unit****Missing Geography****Missing Geographic Entity Unit Identifier******Missing Geographic Entity Unit***

Keywords

Theme

Theme Keyword Thesaurus

Theme Keyword

*Main Theme****Definition/Classification******Major Theme Description***

⁴CSDGM = the Content Standards for Digital Geospatial Metadata

947	Minor Theme Description
948	Computed Value
949	Scalar
950	Place
951	Place Keyword Thesaurus
952	Place Keyword
953	Access Constraints
954	Use Constraints
955	Point of Contact
956	Contact Information (Compound data element, refer to Section 10 of the CSDGM)
957	Security Information
958	Security Classification System
959	Security Classification
960	Security Handling Description
961	Data Quality Information
962	Attribute Accuracy
963	Attribute Accuracy Report
964	Quantitative Attribute Accuracy Assessment
965	Attribute Accuracy Value
966	Attribute Accuracy Explanation
967	Logical Consistency Report
968	Completeness Report
969	Positional Accuracy
970	Horizontal Positional Accuracy
971	Horizontal Positional Accuracy Report
972	Quantitative Horizontal Positional Accuracy Assessment
973	Horizontal Positional Accuracy Value
974	Horizontal Positional Accuracy Explanation
975	Vertical Positional Accuracy
976	Vertical Positional Accuracy Report
977	Quantitative Vertical Positional Accuracy Assessment
978	Vertical Positional Accuracy Value
979	Vertical Positional Accuracy Explanation
980	Lineage
981	Source Information
982	Source Citation
983	Citation Information (Compound data element, refer to Section 8 of the
984	CSDGM)
985	Source Scale Denominator
986	Source Time Period of Content
987	Time Period Information (Compound data element, refer to Section 9 of
988	CSDGM)
989	Source Currentness Reference
990	Source Citation Abbreviation
991	Source Contribution
992	Process Step

993	Process Description
994	Source Used Citation Abbreviation
995	Process Date
996	Process Time
997	Source Produced Citation Abbreviation
998	Distribution Information
999	Distributor
1000	Contact Information (Compound data element, refer to Section 10 of the CSDGM)
1001	Resource Description
1002	Distribution Liability
1003	Standard Order Process
1004	Non Digital Form
1005	Digital Form
1006	Digital Transfer Information
1007	Format Name
1008	Format Version Number
1009	Format Version Date
1010	Format Specification
1011	Format Information Content
1012	File Decompression Technique
1013	Transfer Size
1014	Digital Transfer Options
1015	Online Option
1016	Computer Contact Information
1017	Network Address
1018	Network Resource Name
1019	Offline Option
1020	Offline Media
1021	Fees
1022	Ordering Instructions
1023	Turnaround
1024	Custom Order Process
1025	Technical Prerequisites
1026	Available Time Period
1027	Time Period Information (Compound data element, refer to Section 9 of the CSDGM)
1028	Metadata Reference Information
1029	Metadata Date
1030	Metadata Review Date
1031	Metadata Contact
1032	Contact Information (Compound data element, refer to Section 10 of the CSDGM)
1033	Metadata Standard Name
1034	Metadata Standard Version
1035	Metadata Time Convention

Appendix D

Glossary for Selected Domain Values
(Informative)**Domain: Major Theme Description**

The following descriptions elaborate on each item in the domain, suggesting but in no way limiting, the types of data within each Major Theme Description.

Agriculture - Farms and farm population. Includes data on land use and irrigation; farm cooperatives; farm income, expenditures and dept; farm output, productivity and marketing; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

Archeology - Information from or pertaining to studies of past human life as revealed by relics left by ancient people.

Architecture, Art - The humanities. In particular, includes data relating to the planning and building of structures (including methods or styles of buildings) and to objects produced through the use of skill and imagination as well as to those people responsible for creating the buildings and objects. Includes those areas the humanities which are generally considered the "fine arts."

Archives, Museum Collections - Information from or pertaining to records or objects which generally have a common theme and have been gathered together from numerous sources.

Attitudes, Outlook - Relating to the thoughts, mental positions, opinions and ways in which individuals, groups of persons, or societies view past, present, and future events. This information is often obtained from surveys and opinion polls.

Banking, Finance, Insurance - A nation's finances, various types of financial institutions, money and credit, securities, and insurance.

Business Enterprise - The place and behavior of business firms and business initiatives. Includes data on the number, type, and size of businesses; the financial data of corporations (domestic and international); business investments, expenditures, and profits; business sales and inventories; consumer cooperatives; and business failures.

Communications - The usage, finances, and operations of postal services and of the various communications media, including telephone, telegraph, radio, television, newspapers and periodicals, and books. Includes data on advertising expenditures.

Construction - The construction industry and the various indicators of its activity and costs.

Customs - Traditional courses of action generally associated with particular societies or cultures.

Diet, Traditional Foods - Data on the current or past (traditional) eating habits of individuals, groups of individuals, societies, or cultures.

- 1069 **Domestic Trade, Service** - Distributive trades and services industries (of which franchised
1070 businesses are a part). Includes data on cover sales or receipts, establishments, employees, and
1071 payrolls.
- 1072 **Economics** - Economic data on the general economic situation and outlooks. Includes resource
1073 economics and resource valuation methodologies.
- 1074 **Education** - Formal education, at various levels, for public and private schools. Includes data on
1075 school-age population and school enrollment, educational attainment, education personnel, the
1076 financial aspects of education, libraries, adult education, and vocational training.
- 1077 **Energy** - Fuel resources, electric energy, hydropower, nuclear power, and alternate energy
1078 sources. Includes data on the exploration and reserves of energy fuels; production, supply, and
1079 distribution of energy; use and consumption of energy; and financial information.
- 1080 **Environment** - The environmental aspects of geographic areas, including data on environmental
1081 trends, quality, hazards, pollution, threatened and endangered species/wildlife, and pollution and
1082 hazards abatement and control expenditures, and contingency planning.
- 1083 **Family Life** - Information or data related to activities engaged in by "families." Families may be
1084 either a "nuclear" family (persons related by birth, marriage, or adoption) or an "extended"
1085 family (persons often not related by blood but considered part of the family).
- 1086 **Finances, Employment (Federal)** - The financial structure and the civilian employment of the
1087 Federal government.
- 1088 **Finances, Employment (State and Local)** - The revenues, expenditures, debt, gross assessed
1089 value and employment of State and Local governments.
- 1090 **Finances, Employment (Corporate)** - The finances and employment of corporate or private
1091 entities.
- 1092 **Fisheries** - Recreational or commercial fishing and the fish processing industry.
- 1093 **Foreign Trade, Commerce** - The flow of goods, services, and capital between countries.
1094 Includes data on changes in the official reserve assets of a country, its international investments,
1095 foreign assistance programs, and import duties.
- 1096 **Forests, Forest Products** - The area, ownership, and timber resources of commercial
1097 timberland. Includes forestry statistics covering the National Forests and the U.S. Forest Service
1098 cooperative programs; product data for lumber, pulpwood, wood pulp, paper and paperboard, and
1099 all other forestry products.
- 1100 **Geography** - The physical environment of geographic areas. Includes data on land use and
1101 ownership, renewable and renewable resources and their consumption.

- 1102 **Government, Politics** - All elections, including presidential, congressional and gubernatorial
1103 elections. Congressional legislation, population of voting age, voter participation, and campaign
1104 finances.
- 1105 **Health and Nutrition** - Health expenditures and insurance coverage; medical personnel;
1106 hospitals and other care facilities; and the incidence of acute and chronic conditions. The
1107 nutritional intake of the population, per capita food consumption, and government food
1108 programs.
- 1109 **Heritage** - Data concerning legacies, or something that has come from ancestors or predecessors
1110 of the past.
- 1111 **History** - Records and explanations of past events.
- 1112 **Housing** - Housing units and their characteristics, occupants, and financing; public housing; and
1113 non- residential buildings.
- 1114 **Income, Expenditures, Wealth** - The gross national product, national and personal income,
1115 saving and investment, money income, poverty, and national and personal wealth.
- 1116 **Industrialization** - Information on or pertaining to branches of economic activity, including
1117 businesses or manufacturers which produce goods or services.
- 1118 **Labor Force, Employment, Earnings** - Distribution of the labor force by occupation and
1119 industry affiliation, and the supply of, demand for, and conditions of labor.
- 1120 **Language** - Data associated with human speech and the study of human speech, including the
1121 units nature, structure, and development of languages or a language.
- 1122 **Law Enforcement, Courts, Prisons** - The criminal justice system. Includes data on law
1123 enforcement, crimes, judicial, correctional, and prevention programs.
- 1124 **Manufacturers** - Manufacturing as a whole and the more detailed data for major industry groups
1125 and their products.
- 1126 **Migration, Naturalization** - Immigration, naturalization, alien registration, and emigration.
- 1127 **Mining, Mining Products** - Mineral industries and their products, general summary measures of
1128 production and employment, and more detailed data on production, prices, imports and exports,
1129 consumption, and distribution for specific industries and products.
- 1130 **National Defense, Veterans Affairs** - The national defense and its human and financial costs;
1131 active and reserve military personnel; ships, equipment, and aircraft; and programs and benefits
1132 for veterans.

- 1133 **Nationality** - Related to the "national" character of either a particular nation or an ethnic group
1134 with a larger unit (as a nation) as well as to the legal relationships involving allegiance of an
1135 individual and his protection by the state.
- 1136 **Navigation** - Information pertaining to the movement of crafts or vessels from one place to
1137 another. Includes the waterways used by all forms of marine traffic, commercial shipping lanes,
1138 canals, locks, aids to navigation, and traffic densities.
- 1139 **Parks, Recreation** - Parks, forests and other recreation areas, recreational activities, the arts and
1140 humanities, and domestic and foreign travel.
- 1141 **Population** - The growth, distribution, and characteristics of a population.
- 1142 **Prices** - Producer and consumer price indexes, actual prices for selected commodities, and
1143 budgets for consumers.
- 1144 **Religion** - Data on personal or institutionalized systems of religious attitudes, beliefs, and
1145 practices.
- 1146 **Science, Technology** - Scientific, engineering, and technologic resources. Includes data on
1147 research and development, funding, and personnel and education, and space program outlays and
1148 accomplishments.
- 1149 **Settlement** - Data on the movement and location of populations. Includes information on places
1150 and regions and the ways in which people chose to live as individuals or groups.
- 1151 **Skills** - Data on occupations, crafts, or trades requiring training and proficiency or technical
1152 expertness and the people having that expertise.
- 1153 **Social Insurance, Human Services** - Expenditures on social welfare, programs for old-age,
1154 survivors, disability, and health insurance; retirement programs; government unemployment and
1155 temporary disability insurance; Federal supplemental security income payments and aid to the
1156 needy; and child and other welfare services. Also data on worker's compensation, vocational
1157 rehabilitation, the American Red Cross, United Way Campaign, and philanthropic trusts and
1158 foundations.
- 1159 **Transportation** - Air, water, and land transportation. Includes passenger and cargo data, costs
1160 and revenues, safety/accidents, commuting, and the characteristics of all forms of public
1161 transportation.
- 1162 **Vital Statistics** - Births, deaths, abortions, fertility, life expectancy, marriages, and divorces.
- 1163 **War** - Information on preparation for, the act of, and the consequences resulting from hostilities
1164 between groups of persons. Includes the historical, social, and military aspects of conflicts and
1165 data on the persons engaged in the conflicts and the science of warfare, including the weapons
1166 used.

- 1167 **Domain: Minor Theme Description**
1168 A brief definition of each domain item (the demographic application of an item was selected
1169 when several definitions were available). These domain items are offered only as suggestions;
1170 the list of items is not meant to be either exclusive or comprehensive. If the provided items do
1171 not meet the metadata producer's needs, alternative items may be found in the common set of
1172 terminology and definitions for spatial features provided in FIPS PUB 173, Spatial Data Transfer
1173 Standard (SDTS), or any subject-matter thesaurus.
- 1174 **Abortions** - Termination of pregnancy before the fetus is capable of survival as an individual;
1175 the termination may be spontaneous or induced.
- 1176 **Accidents, Safety** - Accidents are chance happenings which result in injury or death. Safety is
1177 the preventative measures taken for accident avoidance.
- 1178 **Acquisitions** - Acquired objects, often used in reference to land.
- 1179 **Acreage** - Measurement of land area in acres or hectares.
- 1180 **Activities** - Participation in an action, often organized. Organized activities include the labor
1181 force, armed forces, and higher education.
- 1182 **Age Composition** - The composition of a population according to the number of persons within
1183 single year ages or age categories. Age is often reported in terms of Age-Sex Composition.
- 1184 **Aid** - The transfer of money or its equivalent from wealthy to poorer. Aid is often used as a
1185 summary term in the context of international relations.
- 1186 **Air, Land, Water** - Existing in or part of the atmosphere, the Earth's dry surface, or a body of
1187 water (FIPS PUB 173, Spatial Data Transfer Standard, Part 2, Annexes).
- 1188 **Aircraft** - A device that is used or intended to be used for flight in the air; aircraft may be
1189 heavier or lighter than air, powered or unpowered, and have fixed or rotary wings.
- 1190 **Amount** - A total or aggregate.
- 1191 **Alien Registration** - The legal requirement for a foreign-born resident who has not been
1192 naturalized and is still a subject or citizen of a foreign country to register with the country in
1193 which he/she is currently living.
- 1194 **Armed Forces** - The military forces of a country. The armed forces of the United States include
1195 persons on active duty with the U.S. Army, Air Force, Navy, Marine Corps, or Coast Guard.
- 1196 **Arrests, Sentences, Appeals** - Within the context of the Criminal Justice System: Arrests are the
1197 seizing and holding of persons under the authority of the law. Sentences are the judicial opinion
1198 of what punishment is to be inflicted on a convicted person or the penalty meted out. Appeals
1199 are the requests for new hearings.

- 1200 **Assets, Liabilities** - Assets are anything owned that has commercial or exchange value.
1201 Liabilities are financial obligations or claims against assets.
- 1202 **Attendance** - Persons or number of persons attending.
- 1203 **Benefits** - Gains or advantages received by an individual; benefits generally fulfill a need.
- 1204 **Biota** - The animal and plant life of a region (a broad, homogeneous geographical area.)
- 1205 **Births, Deaths [Mortality]** - Births mark the beginning of life. Deaths mark the termination of
1206 life. [Mortality is the process by which deaths occur in a population.]
- 1207 **Boundary** - A nonphysical line indicating the limit or extent of an area or territory (FIPS PUB
1208 173, Spatial Data Transfer Standard, Part 2, Annexes).
- 1209 **Building** - A permanent walled and roofed construction (FIPS PUB 173, Spatial Data Transfer
1210 Standard, Part 2, Annexes).
- 1211 **Businesses [Corporations]** - Private (non-government) firms involved in the buying and selling
1212 of goods or services.
- 1213 **Campaigns** - Operations undertaken to attain some political, social, or commercial goal.
- 1214 **Capacity** - A means of measuring a volume of space or the amount which can be handled.
- 1215 **Capital Punishment** - Use of the death penalty as a means of criminal justice.
- 1216 **Cargo** - Any freight, that is, merchandise transported by a carrier; the term cargo is usually but
1217 not always confined to freight carried by ships or other vessels.
- 1218 **Care** - Attentiveness. The term care is often used in conjunction with health and refers to the
1219 attention paid toward maintaining a person's physical well-being.
- 1220 **Catch** - The total quantity caught at one time or over time; the term catch is often used as a
1221 measure in the fisheries industry.
- 1222 **Cause** - Something that produces an effect; cause can be applied to any event, circumstance, or
1223 condition or any combination of these that brings about or helps bring about a result.
- 1224 **Cemetery** - A place for burying the dead (FIPS PUB 173, Spatial Data Transfer Standard, Part 2,
1225 Annexes).
- 1226 **Climate** - Weather typical of a region as indicated by the mean temperature, rainfall, wind
1227 velocity, and other measurements.

- 1228 **Commercial** - Used or exploited for financial gain (FIPS PUB 173, Spatial Data Transfer
1229 Standard, Part 2, Annexes).
- 1230 **Commuters, Drivers** - Commuters are persons who travel regularly from one place to another,
1231 usually to and from their place of work by one of several modes of transportation (private or
1232 public). Drivers are persons who operate their own vehicles either for profit or for personal use.
- 1233 **Composition** - The specified mixture or combination of one or more elements or ingredients
1234 (FIPS PUB 173, Spatial Data Transfer Standard, Part 2, Annexes). Demographers perceive
1235 composition to be the distribution of members of a population according to its characteristics.
- 1236 **Conditions** - Existing circumstances.
- 1237 **Consumers** - Persons who use or consume goods and services with the use being personal rather
1238 than for manufacturing, processing, or resale.
- 1239 **Consumption** - The purchase and use of goods and services to satisfy needs and desires, either
1240 by an individual or an institution.
- 1241 **Contaminants** - Something that contaminates or has the potential to make impure through
1242 contact or mixture.
- 1243 **Courts** - One element of the Criminal Justice System; a judge or group of judges with the
1244 authority to hear civil and criminal cases and to render judgements.
- 1245 **Crime** - Violations of the criminal law for which an individual can be punished through the use
1246 of formal sanctions applied by governmental authorities.
- 1247 **Criminal Justice System** - The administration of justice including all stages of the process
1248 (arrests, court appearances, trials, correctional institutions and community based treatment) and
1249 the agencies involved (police, courts, prisons and community-based programs for released
1250 offenders.)
- 1251 **Criminals** - Persons committing acts which have been determined by a governmental authority
1252 to be crimes.
- 1253 **Crops** - Cultivated plants or agricultural produce.
- 1254 **Currency** - Money issued by monetary authorities that forms part of an economy's money
1255 supply.
- 1256 **Debt** - Money, services, or materials owed to one person, company, government, etc. as a result
1257 of a previous agreement.

- 1258 **Disability** - A handicap which is generally limiting (as in a work disability where the handicap
1259 restricts a person's choice of jobs.) When used in reference to insurance, disability is a benefit
1260 provided for the loss of time in the event of sickness or an accident. The benefit may come from
1261 several sources such as worker's compensation, companies or unions, or Federal, State, or local
1262 government .
- 1263 **Disposal** - The means of getting rid of or throwing out.
- 1264 **Distribution** - Either the division of something among several persons or entities or the
1265 separation of merchandise into different categories and group levels.
- 1266 **Educational Status** - The legal status of an individual in relation to education; that is, a person's
1267 current enrollment as a student.
- 1268 **Educators** - Persons trained in either teaching or the theory and practice of education.
- 1269 **Emigration** - The movement out of a sovereign state.
- 1270 **Employees [Personnel]** - A general term for all those who work for a wage or salary and
1271 perform services for an employer.
- 1272 **Employers** - A person, organization, or corporation that has workers in its employ.
- 1273 **Employment** - Occupational activity usually, but not necessarily, for pay.
- 1274 **Endangered Species** - A species which is threatened or faced with the danger of extinction.
- 1275 **Enrollment** - The number entered on a register. When applied to education, enrollment
1276 specifically is the total number of students registered in and attending a given school at a given
1277 time (generally the fall of the year.)
- 1278 **Equipment** - Goods that are used to produce other goods or services but are not themselves used
1279 up in the process. The term equipment is mainly for such capital assets as machinery, tools,
1280 furnaces, appliances, and vehicles of various kinds.
- 1281 **Ethnic Stock** - Social groups distinguished by various traits, including language, national or
1282 geographic origin, customs, religion, and race.
- 1283 **Expenditure** - An actual payment or the creation of an obligation to make a future payment for
1284 some benefit, item, or service rendered.
- 1285 **Facilities** - All buildings, equipment, structures, and other stationary items located or brought to
1286 a single site or upon contiguous sites, adjacent sites, or sites linked by common ownership or a
1287 common environmental concern.

- 1288 **Family Relationships** - The basic network of family ties between either the members of a
1289 "nuclear" family (persons related by birth, marriage, or adoption) or the relationships existing
1290 between more "extended" family members (persons often not related by blood but considered
1291 part of the family.)
- 1292 **Farms** - A tract of crop or grazing land, as well as the group of buildings with and often
1293 surrounding a farmhouse, including barns, sheds, and other outbuildings, used for agricultural
1294 production (FIPS PUB 173, Spatial Data Transfer Standard, Part 2, Annexes). The Bureau of the
1295 Census specifies a farm's agricultural operations must be under the day-to-day control of an
1296 individual management and that \$1,000 or more in agricultural products must be, or could be,
1297 sold in a year.
- 1298 **Fees, Royalties** - Fees are either a fixed charge or a charge for a professional service. Royalties
1299 are shares of a profit or product reserved by the grantor of a license or lease or shares of proceeds
1300 of sale paid to an author, composer, inventor, or proprietor for the right to use or sell their
1301 invention or service.
- 1302 **Fertility** - The physiological capacity to produce live, born children. Fertility is used by
1303 demographers to denote the production of live births by individuals, couples, or populations.
- 1304 **Fertilizers** - Natural or artificial materials added to the soil to increase the fertility.
- 1305 **Finances** - The monetary status of a person, company, organization, etc., specifically their assets
1306 and liabilities.
- 1307 **Fish Kills** - Acts or events resulting in occurrences of a significant number of dead fish.
- 1308 **Foreign Trade** - The exchange of goods and services between countries.
- 1309 **Forest System, National** - The forests which are protected by the Government and may be
1310 harvested only under controlled conditions.
- 1311 **Franchising** - The assignment by one company to another or others of the right to supply its
1312 products. A franchise is a contractual arrangement entered into for a specified period of time.
- 1313 **Freight** - All merchandise, goods, products, or commodities shipped by rail, air, road, or water
1314 other than baggage, express mail, or regular mail.
- 1315 **Funding** - The gathering together of cash, securities, or other assets for a particular purpose or
1316 program.
- 1317 **Government** - Governing is the authoritative exercise of power and government is the formal
1318 system of offices endowed with the authority to make binding decisions for a society or
1319 institution. More specifically, government is the persons who fill the positions of authority in a
1320 society or institution.

- 1321 **Grants, Credit** - Grants are revenues, generally from a Government agency, for a specific
1322 research project or program having a specified purpose. Credit is a sales or purchase
1323 accompanied by a promise of later payment.
- 1324 **Gross National Product (GNP)** - Total flow in money terms of all goods and services that an
1325 economy produces during a specified period.
- 1326 **Health** - A state of complete physical, mental, and social well-being and not merely the absence
1327 of disease or infirmity.
- 1328 **Highways** - A class of road based on design, weatherability, governmental designation and the
1329 Department of Transportation functional classification system. Highways are hard-surfaced
1330 roads with controlled access which can be either Interstate and U.S. numbered or primary State
1331 routes.
- 1332 **Holdings** - Land held or property (for example, stocks or bonds) owned.
- 1333 **Housing Unit** - A dwelling occupied as a living quarters; it may be a house, an apartment, a
1334 mobile home or trailer, a group of rooms or a single room occupied as a separate living quarter.
1335 Housing units may be vacant or occupied.
- 1336 **Illiteracy** - The quality or condition of being unable to read and write.
- 1337 **Immigration** - Movement into a sovereign state.
- 1338 **Income** - An amount of money or its equivalent accruing over a specified period to an individual,
1339 family or household, firm, or nation.
- 1340 **Index** - A statistical yardstick expressed in terms of percentages of a base year or years.
- 1341 **Industry** - A generic term designating any branch of economic activity. Industries are usually
1342 grouped according to the kinds of goods or services produced.
- 1343 **Institutions** - Organized social groups or organizations.
- 1344 **Insurance** - A method whereby those concerned about some form of hazard contribute to a
1345 common fund out of which losses to the contributors are paid.
- 1346 **Investments** - The use of money for the purpose of making more money, to gain income or to
1347 increase capital, or both.
- 1348 **Investors** - Individuals or organizations whose principal concerns in the purchase of a security
1349 are regular dividend income, safety of the original investment, and, if possible, capital
1350 appreciation.

- 1351 **Irrigation** - Used for the supplying of water by artificial means to land for agriculture purposes
1352 (FIPS PUB 173, Spatial Data Transfer Standard, Part 2, Annexes).
- 1353 **Jail** - A confinement facility usually administered by city, county, or other local government that
1354 received individuals pending arraignment, trial, conviction, and sentencing and houses sentenced
1355 persons usually for terms of less than one year. Jails readmit probation, parole, and bail-bond
1356 violators and absconders; temporarily detain juveniles pending transfer to juvenile authorities;
1357 hold mentally ill persons pending their movement to appropriate health facilities; hold
1358 individuals for the military, for protective custody, for contempt, and the courts as witnesses;
1359 release convicted inmates to the community upon completion of their sentences; and transfer
1360 inmates to Federal, State, or other local correctional authorities.
- 1361 **Jurisdiction** - Jurisdiction refers to the authority of a sovereign power to govern or legislate or to
1362 the actual limits or territory within which this authority may be exercised. Within the context of
1363 the Criminal Justice System, jurisdiction may also refer to the power, right, or authority to
1364 interpret and apply the law or to the actual limits or territory within which this authority may be
1365 exercised.
- 1366 **Labor Force** - An economically active population. The term Labor Force may be restricted to
1367 those who participate, or try to participate in the production of a nation's economic goods and
1368 services.
- 1369 **Landing Strip** - An unimproved area of land or water that is used or intended to be used for the
1370 landing and takeoff of aircraft. The term landing strip includes the area's buildings and facilities,
1371 if any.
- 1372 **Law Enforcement** - Part of the Criminal Justice System, law enforcement refers to both the
1373 agencies and procedures of enforcing the law.
- 1374 **Licenses** - Grants by a government to an authority of the right to supply a good or provide a
1375 service or by one company to another to manufacture its products or use its technology or
1376 facilities. Licenses may also refer to the documents which show proof of legal ownership or
1377 entitlement or compliance with a requirement for payment thereon or that are issued as a means
1378 of ensuring premises or persons are fit for the purpose in which they are engaged.
- 1379 **Life Expectancy** - The average number of years of life remaining at any specified age.
- 1380 **Livestock** - Domestic animals, raised for home use or for profit.
- 1381 **Local Expert** - A person knowledgeable in the relevant field of study or study area.
- 1382 **Location** - The place, site or space occupied by a specified feature (FIPS PUB 173, Spatial Data
1383 Transfer Standard, Part 2, Annexes).
- 1384 **Machinery** - Machines in general or as a functioning unit.

- 1385 **Marital Status** - The legal status of an individual in relation to marriage; that is, the place of an
1386 individual in the succession single-married-widowed (or divorced).
- 1387 **Migration [Mobility]** - Relatively permanent movement of persons over a significant distance.
1388 A distinction is usually made between movements within the boundaries of one country and
1389 those between two countries.
- 1390 **Monument** - A structure erected as a memorial (FIPS PUB 173, Spatial Data Transfer Standard,
1391 Part 2, Annexes).
- 1392 **Morbidity** - The opposite of health; sickness in the broadest sense.
- 1393 **Mortgages** - Written conveyances of title to a property, but not possession, to obtain the
1394 payment of a debt or the performance of some obligation under the condition that the conveyance
1395 is to be void upon final payment.
- 1396 **Mutual Funds** - Investment companies that issue shares on a continuing basis and stand ready to
1397 purchase shares from shareholders on demand.
- 1398 **National Defense** - The means whereby a nation protects itself against its enemies.
- 1399 **Nativity** - Birth, especially the place, conditions, or circumstances of being born.
- 1400 **Naturalization** - To grant full citizenship to a person of foreign birth.
- 1401 **New, Failure** - New is being recently obtained, acquired, or established. Failure is becoming
1402 bankrupt or insolvent.
- 1403 **Number** - A count; the numeric measure of units or individuals.
- 1404 **Nutrition** - The composite of all the processes by which a living being absorbs food.
- 1405 **Occupation** - The work a person does; usually grouped by some system of classification.
- 1406 **Offenses** - Crimes or transgressions of the law.
- 1407 **Officers** - Individuals holding an office of authority or trust in an organization. Officers are also
1408 individuals performing police duties (within the context of the Criminal Justice System.)
- 1409 **Officials** - Persons who hold an office or position, particularly those who act in a subordinate
1410 capacity for an institution such as a corporation or governmental agency.
- 1411 **Organizations** - A structured system of roles and functional relationships designed to carry out
1412 policies, or the programs inspired by the policies.

- 1413 **Organizations, Labor** - As defined by Section 2(5) of the National Labor Relations Act "means
1414 any organization of any kind, or any agency or employee representation committee or plan, in
1415 which employees participate and which exists for the purpose, in whole or part, of dealing with
1416 employees concerning grievances, labor disputes, wages, rates of pay, hours of employment, or
1417 conditions of work."
- 1418 **Ownership** - Possession of a legal title with the rights to enjoy the benefits derived from any
1419 assets accompanying or accruing from such title.
- 1420 **Parks** - Places or areas developed for public use or recreation. A park is further described as a
1421 place or area set aside for recreation or preservation of a cultural or natural resource (FIPS PUB
1422 173, Spatial Data Transfer Standard, Part 2, Annexes).
- 1423 **Parole** - The release of a prisoner before his/her term has expired on condition of continued good
1424 behavior or the duration of such continued release.
- 1425 **Passengers** - Persons who travel on a train, aircraft, ship, bus, or other conveyance without
1426 participating in its operation; such persons often pay for the right to travel.
- 1427 **Patents, Trademarks** - Patents are rights assigned for seventeen years to the inventor of a
1428 device or process to exclude others from making or selling the invention without permission.
1429 Trademarks are distinctive identifications of a manufactured product or of a service in the form
1430 of a name, logo, motto, and so on.
- 1431 **Payroll [Salary]** - The wages earned by a firm's employees for a certain period of time. Various
1432 deductions from payrolls are identified on the employee's records.
- 1433 **Personal Wealth** - The totality of a person's savings.
- 1434 **Pesticides** - Substances that are applied to control animal or plant pests. This term refers to all
1435 use classes including herbicides, insecticides, fungicides, nematocides, algicides, pesticides,
1436 wood preservatives, and fumigants.
- 1437 **Pipelines** - Closed conduits with pumps, valves and control devices for conveying fluids, gases,
1438 or finely divided solids.
- 1439 **Place of Work** - The geographic location at which workers carry out their occupational activities
1440 during a specified time period.
- 1441 **Postal Service** - The public department responsible for the transportation and delivery of the
1442 mails; also referred to as the Post Office.
- 1443 **Poverty Status** - A measure of poverty based on poverty levels originally defined by the Social
1444 Security Administration in 1964 and prescribed by the Office of Management and Budget in the
1445 Poverty Level Directive 14 as the standard to be used by Federal agencies. The poverty status
1446 indicates whether the income of a family falls above or below the poverty level.

- 1447 **Precipitation** - Water droplets or ice particles condensed from atmospheric water vapor and
1448 sufficiently massive to fall to the earth's surface, such as rain or snow.
- 1449 **Price** - The amount of money a seller receives for goods and services.
- 1450 **Prisons** - A State or Federally administered correctional facility (including privately operated
1451 under State or Federal authority) housing adults with sentences usually of one year or more.
1452 Prisons include prison farms; reception, diagnostic, and classification centers; road camps;
1453 forestry and conservation camps; youthful offender facilities; prison hospitals; and drug and
1454 alcohol treatment facilities.
- 1455 **Processing** - A kind of manufacturing in which one material is converted into another.
- 1456 **Producers** - Individuals who manufacturer goods and services.
- 1457 **Production** - Any form of activity that adds value to goods and services including creation,
1458 transportation, and warehousing until used.
- 1459 **Products [Services]** - Goods and services made available to consumers.
- 1460 **Programs** - An organized list of procedures, often set out as a means of meeting a policy or
1461 solving a problem.
- 1462 **Protected Areas** - Areas for which there are restrictions on use and/or development to
1463 protect/preserve natural resources.
- 1464 **Proximity** - The nearness or closeness of a person or object to another.
- 1465 **Quality** - A measure of the degree or grade of excellence.
- 1466 **Quantity** - An exact number or amount.
- 1467 **Race** - Race, in its pure, biological sense, is a subpopulation that differs significantly from others
1468 in the frequency of one or more genes. Race has come to culturally mean color, language,
1469 religion, or nationality and is rarely identified scientifically and is usually identified by physical
1470 characteristics and presumed genealogy. The Bureau of the Census collects race information
1471 reflecting self-identification.
- 1472 **Rail** - Sets of parallel rails on which a train generally used for the transportation of freight or the
1473 extended transport of passengers runs.
- 1474 **Rate** - A relation between actual and potential or the cost of a unit.
- 1475 **Recipients** - Persons, institutions, or governments who receive.
- 1476 **Recovery** - The period of a business cycle that follows a depression.

- 1477 **Registrations** - Continuous recordings of events for legal or statistical purposes or the
1478 documents issued upon those recordings.
- 1479 **Regulations** - Principles, rules, or laws designed to control or govern behavior.
- 1480 **Remote Access** - Means of entering remotely located areas.
- 1481 **Research, Development** - Any scientific investigation leading to discovery of new techniques
1482 and products and their commercial application, together with refinement and improvement of
1483 existing technologies and products.
- 1484 **Reserves** - Any additional claims of company shareholders that reflect increases in the value of
1485 company assets in the balance sheet.
- 1486 **Residence** - The place in which a person resides or the official home or location of a corporation.
- 1487 **Resources** - Anything a nation uses to produce goods and services. Resources are usually
1488 categorized as natural resources, labor, capital, or enterprise.
- 1489 **Revenue** - The grand total of all resources received from the sale of a firm's product or service
1490 during a stated period.
- 1491 **Roads** - Open ways for the passage of vehicular traffic which are passable in most seasonal
1492 conditions and trafficked by mainstream motor vehicles (all types). Several recognized road
1493 classification systems exist.
- 1494 **Rural** - Rural is a complement of urban. Rural connotes a predominance of agriculture and a low
1495 population density with a social life in small communities.
- 1496 **Sales** - The transfer of title to an item or items or the agreement to perform a service in return for
1497 cash or the expectation of a cash payment. Sales may also refer to the revenue received from the
1498 sale of goods.
- 1499 **Savings** - The amount of existing income that is not spent on consumption.
- 1500 **Securities** - Documents that identify legal ownership of a physical commodity or legal claims to
1501 another's wealth.
- 1502 **Sediments** - Material suspended in water or in air or the material deposited onto the surface
1503 underlying this water or air.
- 1504 **Sex Composition** - The composition of a population according to the number or proportion of
1505 males to females within single year ages or age categories. Sex is often reported in terms of
1506 Age-Sex Composition.

- 1507 **Shellfish** - An aquatic animal having a shell or shell-like exoskeleton.
- 1508 **Shipbuilding** - The business of constructing ships.
- 1509 **Shipments** - The act of shipping goods or the goods and cargo shipped.
- 1510 **Site** - A contiguous property unit, land, plot of ground, or area located in or on the marine
1511 environment.
- 1512 **Size** - The physical dimensions, proportions, magnitude, or extent of something (FIPS PUB 173,
1513 Spatial Data Transfer Standard, Part 2, Annexes).
- 1514 **Space Program** - The name given a country's efforts of space exploration. The United States
1515 Space Program refers to the expenditures, agencies, efforts, and goals of space exploration.
- 1516 **Students** - Persons attending a school, college, or university.
- 1517 **Subscriptions** - A purchase made by signed order, as for a periodical for a specified period of
1518 time or for a series of performances.
- 1519 **Subsistence** - The level of living just sufficient to maintain a productive population. Subsistence
1520 is implicitly based on nutritional standards, but may be expanded to include the notion of
1521 "not-for-profit."
- 1522 **Sunshine** - The radiant energy, especially heat and visible light, emitted by the sun. Sunshine is
1523 often expressed in terms of number of days or hours.
- 1524 **Supply, Demand** - The amount of a commodity potential purchasers would like to buy.
- 1525 **Tax** - A charge levied by a government against the income of an individual, corporation, or other
1526 profit-making center of activity.
- 1527 **Temperature** - A specific degree of hotness or coldness as indicated on or referred to a standard
1528 scale (FIPS PUB 173, Spatial Data Transfer Standard, Part 2, Annexes).
- 1529 **Tourism** - The practice of traveling for pleasure and the business of providing tours and services
1530 for tourists.
- 1531 **Trade Origin, Destination** - Trade Origin is the location from which a product was shipped.
1532 Trade Destination is the final location to which the product is shipped.
- 1533 **Traffic Hubs** - Centers of travel. Companies often maintain these central locations through
1534 which the majority of their routes pass as a means of cost containment.
- 1535 **Transactions** - Agreements between two or more parties that establish a legal obligation.

- 1536 **Travel** - To go from one place to another; to journey.
- 1537 **Travelers** - Persons who travel.
- 1538 **Type** - To classify according to a shared trait or characteristic which distinguishes an identifiable
1539 group, kind, or category.
- 1540 **Unemployment** - A condition of not being employed. According to the U.S. Government,
1541 unemployment is the condition of a member of the labor force who seeks work but does not find
1542 it.
- 1543 **Urban** - Associated with large aggregates of people or with their typical institutions and way of
1544 life. In official statistics, urban delimits places classified principally by population size and/or
1545 civil status.
- 1546 **Usage, Utilization** - Usage is the action or amount of using. Utilization is the state of being
1547 used.
- 1548 **Value** - The worth of property, goods, services, and so on. Value is generally considered to be
1549 the purchasing power, though may refer to a nonmarket value which, although hard to measure,
1550 is an important component of resource valuation.
- 1551 **Value Added** - The part of the value of produced goods that is developed in a company. Value
1552 added is determined by subtracting from sales the costs of materials and supplies, energy,
1553 contract work, and so on.
- 1554 **Vehicles** - A device for carrying passengers, goods, or equipment. A common conveyance or
1555 vehicle is the automobile.
- 1556 **Vessels** - A craft designed to navigate on the water, also an airship.
- 1557 **Veterans** - Persons who have been members of the armed forces of their country whom are not
1558 currently serving on active duty. In the United States, veterans include former U.S. Army, Air
1559 Force, Navy, Marine Corps, and Coast Guard personnel, or persons who served as Merchant
1560 Marine seamen during WWII. Veterans also include persons serving in the National Guard,
1561 Military Reserves, NOAA Corps, or Public Health Service only if they were ever called or
1562 ordered to active duty.
- 1563 **Veterans Affairs** - All procedures, actions, and occasions pertaining to veterans.
- 1564 **Victims** - Persons whom crimes are committed against or whom are injured or die under any of
1565 various conditions.
- 1566 **Visitation** - Official visits, often for the purposes of inspection, or the legal right to visit.

- 1567 **Volume** - Space occupied or cubic capacity as measured in cubic units (FIPS PUB 173, Spatial
1568 Data Transfer Standard, Part 2, Annexes).
- 1569 **Vote Cast** - The number of votes which are cast.
- 1570 **Voters** - Persons making a formal expression of preference for a candidate for office or for a
1571 proposed resolution of an issue; those persons who actively participate in voting and cast a vote.
- 1572 **Wages, Earnings** - Compensation of employees who receive a stated sum per piece, hour, day,
1573 or any other unit or period; generally refers to all compensation paid including salaries.
- 1574 **Waste** - The damaged, defective, or superfluous materials produced by a manufacturing process,
1575 or refuse from places of human or animal habitation.
- 1576 **Wildfires** - A fire that travels and spreads rapidly.
- 1577 **Wind Speed** - A horizontal measure of the rate at which air is in motion, most commonly
1578 measured in knots (nautical miles per hour) using an anemometer.
- 1579 **Years Completed** - The number of years invested by a person in an activity; when applied to
1580 educational attainment refers to the highest grade of regular school attended and completed.

1581 **Domain: Geographic Entity Type**

1582 A brief definition of each item.

1583 **Hydrographic** - Geographic areas whose boundaries are based on the properties, distribution,
1584 and circulation of water or are delineated by a Federal agency for hydrographic data
1585 collection/analysis/presentation. These areas can be either points (specific sites such as water
1586 quality collection sites), lines (navigation routes), or areas.

1587 **Legal, Administrative** - Geographic areas whose boundaries result from charters, laws, treaties,
1588 or other administrative or governmental action. These geographic areas are either governed by
1589 elected officials or are without elected officials but created to administer elections and other
1590 governmental functions. These areas can be either points (boundary monuments), lines (trails), or
1591 areas.

1592 **Statistical, Thematic** - Geographic areas whose boundaries are not legally defined and which
1593 have no governmental standing. These geographic areas are delineated by Federal agencies (most
1594 notably the Office of Management and Budget and the Census Bureau) for either data tabulation
1595 purposes or to delineate thematically similar units. These areas can be either points (specific sites
1596 such as weather collection sites), lines (trails), or areas.

- 1597 **Domain: Geographic Unit**
1598 A brief definition of each item.
- 1599 If **GEOGRAPHIC ENTITY TYPE = HYDROGRAPHIC**
- 1600 **Coastal Drainage Area (CDA)** - That component of an entire watershed that meets the
1601 following criteria: 1) it is not part of any Estuarine Drainage Area (EDA) or Fluvial Drainage
1602 Area (FDA); 2) it drains directly into an ocean, estuary, or the Great Lakes; and 3) it is composed
1603 of only the downstream-most hydrologic cataloging unit (HUC) in which the head-of-tide is
1604 found.
- 1605 **Coastal, estuarine waters** - A unique geographic component of wetlands, this area consists of
1606 deepwater tidal habitats, tidal wetlands, and drainage channels adjacent to the sea in which the
1607 tide ebbs and flows.
- 1608 **Drainage Basin** - A geographic unit (valley) whose area contributes water to and is drained by a
1609 drainage system (one stream and its tributaries). Drainage basins are separated by divides. A
1610 drainage basin may also be referred to as a watershed; if so, technically the drainage rim is
1611 considered to be part of the watershed.
- 1612 **Estuarine Drainage Area (EDA)** - That component of an estuary's entire watershed that empties
1613 directly into the estuary and is affected by tides. EDAs may be composed of a portion of a single
1614 hydrologic cataloging unit (HUC), an entire HUC, more than one HUC, or several HUCs and
1615 portions of several adjacent HUCs.
- 1616 **Fluvial Coastal Drainage Areas (FCDAs)** - Those components of coastal watersheds that lie
1617 "upstream" Coastal Drainage Area (CDA) boundaries.
- 1618 **Fluvial Drainage Area (FDA)** - The component's of an estuary's entire watershed "upstream" of
1619 the Estuarine Drainage Area (EDA).
- 1620 **National Water Quality Assessment (NAWQA) Program Study Site** - Geographic units
1621 identified by the U.S. Geological Survey (USGS) for the purpose of monitoring water quality.
1622 The USGS divides the United States into 60 sites delineated on the basis of river basins, ground
1623 water, and/or political boundaries.
- 1624 **Port** - An area where ships may ride secure. The area often has facilities for the taking on and
1625 discharging of cargo from ships; the facilities may include a place where foreign goods are
1626 cleared through a customhouse and aliens are permitted to enter a country.
- 1627 **Water body** - A geographic area delineated by the extent of its surface water.
- 1628 **Wetlands** - A geographic unit containing lands transitional between terrestrial and aquatic
1629 systems where the saturation with water is the dominate factor determining the nature of soil
1630 development and the types of plants and animals living in the soil and in its surface. Wetlands
1631 include various areas; several classification schemes are used by Federal agencies/organizations.

- 1632 If **GEOGRAPHIC ENTITY TYPE = LEGAL, ADMINISTRATIVE**
- 1633 **Nation** - An area under the jurisdiction of a sovereign government, excluding the United States.
- 1634 **United States** - The 50 states and the District of Columbia.
- 1635 *The following Legal, Administrative geographic entities/areas are recognized within the United*
1636 *States. A majority of the Geographic_Unit definitions are adapted from definitions included by*
1637 *the Census Bureau in its standard decennial census products.*
- 1638 **American Entity trust land(s)** - American Indian Reservation (AIR) associated on- or
1639 off-reservation lands held in trust for either the tribe (tribal trust lands) or an individual tribe
1640 member (individual trust lands) by the Federal government.
- 1641 **American Indian reservation (AIR)** - A legal entity over which American Indians have
1642 governmental jurisdiction. The boundaries of AIRs were established by treaty, statute, and/or
1643 executive or court order and are identified by either the Bureau of Indian Affairs (BIA) for
1644 Federal reservations or the individual States for State reservations.
- 1645 **American Indian reservation with trust land(s)** - An AIR and its associated on- or
1646 off-reservation lands held in trust for either the tribe (tribal trust lands) or an individual tribe
1647 member (individual trust lands) by the Federal Government.
- 1648 **Alaska Native village (ANV)** - A local Alaskan governmental unit consisting of a tribe, band,
1649 clan, village, community, and association recognized pursuant to the Alaska Native Claims
1650 Settlement Act (ANCSA) with boundaries identified by an appropriate authority.
- 1651 **Alaska Native Regional Corporation (ANRC)** - A corporate entity established by the ANCSA.
1652 Alaska is divided into 12 ANRCs that cover the entire State, except for the Annette Islands
1653 Reserve. Boundaries are established by the Department of the Interior in cooperation with
1654 Alaska Natives. (A 13th ANRC without associated land area was established for Alaska Natives
1655 who are not permanent residents of Alaska.)
- 1656 **Congressional district (CD)** - An area established by State officials or the courts for the purpose
1657 of electing a person to the U.S. House of Representatives. Within each State, these areas must
1658 contain, as nearly as possible, an equal number of inhabitants.
- 1659 **Consolidated city** - An incorporated place that has combined its governmental functions with a
1660 county or subcounty entity but contains one or more other incorporated places that continue to
1661 function as local governments within the consolidated government.

- 1662 **County** - Primary legal subdivision of every State except Alaska (referred to as parishes in
1663 Louisiana.) The legal geographic unit county is expanded in this documentation to include the
1664 following statistically equivalent areas to provide "complete" national coverage: boroughs and
1665 census areas in Alaska which has no counties, cities that are independent (independent cities) of
1666 any county located in Maryland, Missouri, Nevada, and Virginia, the section of Yellowstone
1667 National Park in Montana, and the District of Colombia.
- 1668 **Incorporated place** - A governmental unit, incorporated under State law as a city, town (except
1669 in New England, New York, and Wisconsin), borough (except in Alaska and New York), or
1670 village, having legally prescribed limits, powers, and functions.
- 1671 **Minor civil division (MCD)** - Primary legal subdivision of 28 states, created to either govern or
1672 administer an area rather than a specific population. The several types of MCDs are identified as
1673 town, township, district, and include both functioning and nonfunctioning governmental units.
1674 The legal geographic unit MCD is expanded in this documentation to include the following
1675 statistically equivalent areas to provide "complete" national coverage: census subareas in Alaska,
1676 census county divisions (CCD) delineated by the Census Bureau for statistical purposes in 21
1677 states, and the District of Columbia.
- 1678 **Neighborhood** - A subarea within a local governmental unit, usually an incorporated place or
1679 county, having legally defined boundaries.
- 1680 **Outlying Area** - Areas, other than States and the District of Columbia, under the jurisdiction of
1681 the United States. For the 1990 Census, these areas included American Samoa, Guam, the
1682 Northern Mariana Islands, Palau, Puerto Rico, the Virgin Islands of the United States, and
1683 several small islands in the Caribbean Sea and the Pacific Ocean. (Outlying areas are considered
1684 statistically equivalent to States.)
- 1685 **School district** - The territory administered by the elected or appointed authorities of a State,
1686 county, or other local governmental unit to provide educational services to a resident population.
- 1687 **State** - Primary legal subdivision of the United States, including the District of Columbia as a
1688 statistically equivalent area. (Outlying Areas are also statistically equivalent, however, they are
1689 noted as a unique geographic entity/area in this documentation.)
- 1690 **Trail** - A cleared path, beaten track, or improved surface, as through woods or wilderness, not
1691 usually trafficked by vehicles because of width, conditions, or access restrictions.
- 1692 **Voting district (VTD)** - Any of a variety of areas, such as election districts, precincts, legislative
1693 districts, or wards, established by States and local governments for voting purposes. Also
1694 referred to as election precincts (EP) in the 1980 census.
- 1695 **ZIP Code** - An area encompassing a section of a street, a collection of streets, an establishment,
1696 a structure, a group of post office boxes, and so forth which is assigned the same 5-, 7- or 9-digit
1697 code by the U.S. Postal Service.

1698 If **GEOGRAPHIC ENTITY TYPE = STATISTICAL, THEMATIC**

1699 **Alaska Native village statistical area (ANVSA)** - A 1990 census entity that represents the
1700 densely settled extent of an ANV as delineated for the Census Bureau by officials of the ANRC
1701 in which the ANVSA is located, or by other appropriate officials.

1702 **Block** - The smallest entity for which the Census Bureau collects and tabulates decennial census
1703 information.

1704 **Block group (BG)** - A combination of census blocks that is a subdivision of a census tract (CT)
1705 or block numbering area (BNA). A BG consists of all blocks whose numbers begin with the
1706 same digit in a given CT or BNA.

1707 **Census county division (CCD)** - A statistical subdivision of a county, established cooperatively
1708 by the Census Bureau and State and local government authorities, for the presentation of
1709 decennial census data in 21 states which do not have legally established MCDs or whose MCDs
1710 do not serve a legal or administrative governmental purpose, are not well known, have poorly
1711 defined boundaries, and/or have frequent boundary changes.

1712 **Census designated place (CDP)** - A statistical entity, defined for each decennial census
1713 according to Census Bureau guidelines, comprising a densely settled concentration of population
1714 that is not within an incorporated place, but is locally identified by a name. Known as
1715 unincorporated places for the 1940 through 1970 censuses.

1716 **Census tract or block numbering area (CT/BNA)** - A CT is a small, relatively permanent
1717 statistical subdivision of a county in a metropolitan area (MA) delineated by a local committee of
1718 census data users. CTs are designed to be relatively homogeneous units with respect to
1719 population characteristics, and usually contain between 2,500 and 8,000 inhabitants. A BNA is
1720 an area delineated by State officials or by the Census Bureau for the purpose of grouping and
1721 numbering decennial census blocks in counties or statistically equivalent entities in which census
1722 tracts have not been established. CTs and BNAs are equivalent in the Census Bureau's
1723 geographical hierarchy.

1724 **Central city** - The core incorporated city(ies) or MCDs of a MA. From the 1950 through 1980
1725 censuses, the central city may also refer to an urbanized area (UA), usually consisting of the most
1726 populous incorporated city(ies).

1727 **Central place** - The core incorporated place(s) or CDP(s) of a UA, usually consisting of the
1728 most populous place(s) in the UA. First used in the 1990 census to recognize a CDP as the most
1729 populous place in a UA.

1730 **Consolidated metropolitan statistical area (CMSA)** - An area designated as a metropolitan
1731 statistical area (MSA) and having a population of 1,000,000 or more may become a CMSA if
1732 component parts are recognized as primary metropolitan statistical areas (PMSAs) and if local
1733 opinion favors the designation. Prior to 1990, CMSAs were called standard consolidated
1734 statistical areas (SCSAs) and standard consolidated areas (SCAs).

- 1735 **Division** - Any subdivision of international and/or national region(s) established for the
1736 collection/presentation of data. Divisions are intended to represent relatively homogeneous areas
1737 that are the subdivision of regions.
- 1738 **Enumeration district (ED)** - A small geographic area established and used by the Census
1739 Bureau as the basic unit for data collection and tabulation in decennial and special censuses prior
1740 to 1990. An ED usually consisted of the area to be assigned to an individual enumerator for
1741 canvassing. The ED was replaced by the address register area (ARA) for data collection purposes
1742 in the 1990 decennial census.
1743
- 1744 **Metropolitan statistical area (MSA)** - A geographic entity, defined by the Federal Office of
1745 Management and Budget (OMB) as a statistical standard for Federal agencies, consisting of one
1746 or more contiguous counties (cities and towns in New England) that contain a core area (city
1747 with a population of 50,000 or more or a UA) within a large population nucleus and adjacent
1748 communities having a high degree of economic and social integration with the core. If the MSA
1749 is defined on the basis of a UA core, the total MSA population must be at least 100,000 (75,000
1750 in New England). MSAs were referred to as standard metropolitan areas (SMAs) during the
1751 1950's and standard metropolitan statistical areas (SMSAs) from 1960 through 1980.
- 1752 **National Forest** - A large expanse of forest that is protected by the Federal government and that
1753 may be harvested only under controlled conditions.
- 1754 **National Monument** - A natural landmark or a structure or site of historic interest set aside by
1755 the Federal government and maintained for enjoyment or study by the public.
- 1756 **National Park** - A tract of land declared public property by the Federal government with a view
1757 to its preservation and development for purposes of recreation and culture.
- 1758 **Primary metropolitan statistical area (PMSA)** - An area meeting the requirements of an MSA
1759 and having a population of one million or more. Two or more PMSAs may be defined within
1760 this area if statistical criteria are met and local opinion favors the designation.
- 1761 **Public domain** - Lands owned directly by the Federal government.
- 1762 **Region: International** - Any statistical or thematic region(s) outside the United States
1763 established for the collection/analysis/presentation of data.
- 1764 **Region: National** - Any statistical or thematic region(s) within the United States established for
1765 the collection/analysis/presentation of data.
- 1766 **The World** - Any statistical or thematic region(s) consisting of both international and national
1767 coverage established for the collection/analysis/presentation of data.
- 1768 **Traffic analysis zone (TAZ)** - A special-purpose geographic entity delineated by a metropolitan
1769 planning organization (MPO) for tabulating transportation statistics from the decennial census.

- 1770 **Trail** - A cleared path, beaten track, or improved surface, as through woods or wilderness, not
1771 usually trafficked by vehicles because of width, conditions, or access restrictions.
- 1772 **Tribal designated statistical area (TDSA)** - An area defined by an American Indian tribal
1773 government that does not have a land area certified by the BIA or a State government. A TDSA
1774 cannot exist in Oklahoma.
- 1775 **Tribal jurisdiction statistical area (TJSA)** - An area defined by American Indian tribal
1776 governments to approximate their former reservation boundaries. TJSA's exist only in Oklahoma.
- 1777 **Urbanized area (UA)** - An area consisting of a central place(s) and adjacent fringe that together
1778 have a minimum residential population of at least 50,000 people and generally an overall
1779 population density of at least 1,000 people per square mile of land area.

1781
1782

References
(Informative)

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Appendix F

**Example Metadata created using the
Metadata Profile for Geospatially Referenced
Cultural and Demographic Data
(Informative)**

IDENTIFICATION INFORMATION:**Citation:****Citation Information:**

Originator: U.S. Department of Commerce
Economics and Statistics Administration
Bureau of the Census

Publication Date: 19960901

Title: County Business Patterns 1994, Maryland

Edition: 1996

Series Information:

Series Name: County Business Patterns

Issue Identification: Maryland, 1994

Publication Information:

Publication Place: Washington, DC

Publisher: U.S. Government Printing Office

Description:

Abstract: The County Business Patterns data series provide subnational economic data by industry and includes a separate printed report for each State, the District of Columbia, Puerto Rico, and the United States. Individual State reports present payroll and employment data for the State and counties by industry. The reports also include the number of establishments by industry and employment size class. The United States report presents similar data for the nation as a whole. In addition, the U.S. report provides employment and payroll data by employment size class for major industry groups. Data for industries with fewer than 100 employees are not shown in the printed reports, but are available on CD-ROM and other computer products.

Most of the nation's economic activity is covered in this series. Data are excluded for self-employed persons, domestic service workers, railroad employees, agricultural production workers, most government employees, and employees on ocean-borne vessels or in foreign countries. Data are provided by industry in the following economic divisions: agricultural services, forestry, and fishing; mining; construction; manufacturing; transportation and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services. Data are tabulated by industry as defined in the "Standard Industrial Classification Manual: 1987."

Purpose: The County Business Patterns data series is useful for studying the economic activity of small areas; analyzing economic changes over time; and as a benchmark for statistical series, surveys, and databases between economic censuses. The series serves various business uses such as analyzing market potential, measuring the effectiveness of sales and advertising programs, setting sales quotas, and developing budgets. The data are also used by government agencies for administration and planning.

Supplemental Information: All data are tabulated from universe files and are not subject to sampling errors. However, the data are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the universe; definition and classification difficulties; differences in interpretation of questions; error in recording or coding the data obtained; errors of collection, response, and coverage; and estimation of employers who reported too late to be included in the tabulations and for records with missing or misreported data.

Time Period of Content:**Time Period Information:****Range of Dates/Times:****Beginning Date:** 1993**Ending Date:** 1994**Currentness Reference:** 199609**Status:****Progress:** Complete**Maintenance and Update Frequency:** Annually**Spatial Domain:****Bounding Coordinates:****West Bounding Coordinates:** -79.487651**East Bounding Coordinates:** -74.986285**North Bounding Coordinates:** 39.723043**South Bounding Coordinates:** 37.886607**Geographic Extent:****Geographic Extent Description:** The State of Maryland**Geographic Entity:****Geographic Entity Type:** Legal, administrative**Geographic Entity Unit:** State**Geographic Entity:****Geographic Entity Type:** Legal, administrative**Geographic Entity Unit:** County**Keywords:****Theme:****Theme Keyword:** Labor force, employment, earnings**Main Theme:** Labor force, employment, earnings**Definition/Classification:** "Introduction to the 1992 Economic Census:

How the data are classified", Extract from Bureau of Census Booklet

Series EC92-PR-92

Major Theme: Agriculture services, forestry, and fishing**Minor Theme:** Establishments**Minor Theme:** Employment-size class**Minor Theme:** 1 to 4**Minor Theme:** 5 to 9**Minor Theme:** 10 to 19**Minor Theme:** 20 to 49**Minor Theme:** 50 to 99**Minor Theme:** 100 to 249

1882	Minor Theme: 250 to 499
1883	Minor Theme: 500 to 999
1884	Minor Theme: 1000 +
1885	Scalar: number of establishments
1886	Minor Theme: Employees
1887	Scalar: number of employees
1888	Minor Theme: Payroll
1889	Minor Theme: First Quarter
1890	Scalar: numbers in (\$1000)
1891	Minor Theme: Annual
1892	Scalar: numbers in (\$1000)
1893	Major Theme: Mining
1894	Minor Theme: Establishments
1895	Minor Theme: Employment-size class
1896	Minor Theme: 1 to 4
1897	Minor Theme: 5 to 9
1898	Minor Theme: 10 to 19
1899	Minor Theme: 20 to 49
1900	Minor Theme: 50 to 99
1901	Minor Theme: 100 to 249
1902	Minor Theme: 250 to 499
1903	Minor Theme: 500 to 999
1904	Minor Theme: 1000 +
1905	Scalar: number of establishments
1906	Minor Theme: Employees
1907	Scalar: number of employees
1908	Minor Theme: Payroll
1909	Minor Theme: First Quarter
1910	Scalar: numbers in (\$1000)
1911	Minor Theme: Annual
1912	Scalar: numbers in (\$1000)
1913	Major Theme: Construction
1914	Minor Theme: Establishments
1915	Minor Theme: Employment-size class
1916	Minor Theme: 1 to 4
1917	Minor Theme: 5 to 9
1918	Minor Theme: 10 to 19
1919	Minor Theme: 20 to 49
1920	Minor Theme: 50 to 99
1921	Minor Theme: 100 to 249
1922	Minor Theme: 250 to 499
1923	Minor Theme: 500 to 999
1924	Minor Theme: 1000 +
1925	Scalar: number of establishments
1926	Minor Theme: Employees
1927	Scalar: number of employees

1928	Minor Theme: Payroll
1929	Minor Theme: First Quarter
1930	Scalar: numbers in (\$1000)
1931	Minor Theme: Annual
1932	Scalar: numbers in (\$1000)
1933	Major Theme: Manufacturing
1934	Minor Theme: Establishments
1935	Minor Theme: Employment-size class
1936	Minor Theme: 1 to 4
1937	Minor Theme: 5 to 9
1938	Minor Theme: 10 to 19
1939	Minor Theme: 20 to 49
1940	Minor Theme: 50 to 99
1941	Minor Theme: 100 to 249
1942	Minor Theme: 250 to 499
1943	Minor Theme: 500 to 999
1944	Minor Theme: 1000 +
1945	Scalar: number of establishments
1946	Minor Theme: Employees
1947	Scalar: number of employees
1948	Minor Theme: Payroll
1949	Minor Theme: First Quarter
1950	Scalar: numbers in (\$1000)
1951	Minor Theme: Annual
1952	Scalar: numbers in (\$1000)
1953	Major Theme: Transportation and public utilities
1954	Minor Theme: Establishments
1955	Minor Theme: Employment-size class
1956	Minor Theme: 1 to 4
1957	Minor Theme: 5 to 9
1958	Minor Theme: 10 to 19
1959	Minor Theme: 20 to 49
1960	Minor Theme: 50 to 99
1961	Minor Theme: 100 to 249
1962	Minor Theme: 250 to 499
1963	Minor Theme: 500 to 999
1964	Minor Theme: 1000 +
1965	Scalar: number of establishments
1966	Minor Theme: Employees
1967	Scalar: number of employees
1968	Minor Theme: Payroll
1969	Minor Theme: First Quarter
1970	Scalar: numbers in (\$1000)
1971	Minor Theme: Annual
1972	Scalar: numbers in (\$1000)
1973	Major Theme: Wholesale trade

1974	Minor Theme: Establishments
1975	Minor Theme: Employment-size class
1976	Minor Theme: 1 to 4
1977	Minor Theme: 5 to 9
1978	Minor Theme: 10 to 19
1979	Minor Theme: 20 to 49
1980	Minor Theme: 50 to 99
1981	Minor Theme: 100 to 249
1982	Minor Theme: 250 to 499
1983	Minor Theme: 500 to 999
1984	Minor Theme: 1000 +
1985	Scalar: number of establishments
1986	Minor Theme: Employees
1987	Scalar: number of employees
1988	Minor Theme: Payroll
1989	Minor Theme: First Quarter
1990	Scalar: numbers in (\$1000)
1991	Minor Theme: Annual
1992	Scalar: numbers in (\$1000)
1993	Major Theme: Retail Trade
1994	Minor Theme: Establishments
1995	Minor Theme: Employment-size class
1996	Minor Theme: 1 to 4
1997	Minor Theme: 5 to 9
1998	Minor Theme: 10 to 19
1999	Minor Theme: 20 to 49
2000	Minor Theme: 50 to 99
2001	Minor Theme: 100 to 249
2002	Minor Theme: 250 to 499
2003	Minor Theme: 500 to 999
2004	Minor Theme: 1000 +
2005	Scalar: number of establishments
2006	Minor Theme: Employees
2007	Scalar: number of employees
2008	Minor Theme: Payroll
2009	Minor Theme: First Quarter
2010	Scalar: numbers in (\$1000)
2011	Minor Theme: Annual
2012	Scalar: numbers in (\$1000)
2013	Major Theme: Finance, insurance, and real estate
2014	Minor Theme: Establishments
2015	Minor Theme: Employment-size class
2016	Minor Theme: 1 to 4
2017	Minor Theme: 5 to 9
2018	Minor Theme: 10 to 19
2019	Minor Theme: 20 to 49

2020	Minor Theme: 50 to 99
2021	Minor Theme: 100 to 249
2022	Minor Theme: 250 to 499
2023	Minor Theme: 500 to 999
2024	Minor Theme: 1000 +
2025	Scalar: number of establishments
2026	Minor Theme: Employees
2027	Scalar: number of employees
2028	Minor Theme: Payroll
2029	Minor Theme: First Quarter
2030	Scalar: numbers in (\$1000)
2031	Minor Theme: Annual
2032	Scalar: numbers in (\$1000)
2033	Major Theme: Services
2034	Minor Theme: Establishments
2035	Minor Theme: Employment-size class
2036	Minor Theme: 1 to 4
2037	Minor Theme: 5 to 9
2038	Minor Theme: 10 to 19
2039	Minor Theme: 20 to 49
2040	Minor Theme: 50 to 99
2041	Minor Theme: 100 to 249
2042	Minor Theme: 250 to 499
2043	Minor Theme: 500 to 999
2044	Minor Theme: 1000 +
2045	Scalar: number of establishments
2046	Minor Theme: Employees
2047	Scalar: number of employees
2048	Minor Theme: Payroll
2049	Minor Theme: First Quarter
2050	Scalar: numbers in (\$1000)
2051	Minor Theme: Annual
2052	Scalar: numbers in (\$1000)
2053	Place:
2054	Place Keyword Thesaurus: FIPS Publication 5-2, "Codes for the
2055	Identification of the States, the District of Columbia and the
2056	Outlying areas of the United States, and Associated Areas", 19870528
2057	Place Keyword: State: Maryland
2058	Place Keyword Thesaurus: FIPS Publication 6-4, "Counties and Equivalent
2059	Entities of the U.S., Its Possessions, and Associated Areas", 19900831
2060	Place Keyword: Counties: Allegany, Anne Arundel, Baltimore, Baltimore City,
2061	Calvert, Caroline, Carroll, Cecil, Charles, Dorchester, Frederick, Garrett, Harford,
2062	Howard, Kent, Montgomery, Prince George's, Queen Anne's, St. Mary's, Somerset,
2063	Talbot, Washington, Wicomico, Worcester
2064	Access Constraints: None
2065	Use Constraints: None. Acknowledgment of the U.S. Bureau of the Census is appreciated

for products derived from this file.

Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization:

U.S. Department of Commerce

Bureau of the Census

Economic Planning and Coordination Division

Survey Processing and Products Branch

Contact Address:

Address Type: Mailing Address

Address: Bureau of the Census

City: Washington

State or Province: District of Columbia

Postal Code: 20233

Country: United States of America

Contact Voice Telephone: 301-457-2580

Contact Fax Telephone: 301-457-4433

Contact Electronic Mail Address: cbp@census.gov

DATA QUALITY INFORMATION:

Attribute Accuracy:

Attribute Accuracy Report: Accurate against Federal Information Processing Standards (FIPS), FIPS Publication 5-2, FIPS 6-4, and FIPS-55 at the 100% level for the geographic codes and names. All data are tabulated from universe files and are not subject to sampling errors. However, the data are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the universe; definition and classification difficulties; differences in interpretation of questions; errors in recording or coding the data obtained; errors of collection, response, and coverage; and estimation of employers who reported too late to be included in the tabulations and for records with missing or misreported data. The accuracy of the data is determined by the joint effects of the various nonsampling errors. No direct measurement of these effects has been obtained; however, precautionary steps were taken in all phases of collection, processing, and tabulation to minimize the effects of nonsampling errors.

Logical Consistency Report: Standard geographic codes, such as FIPS codes for states are used for geocoding employers addresses. Most of the codes themselves were provided to the Census Bureau by the USGS, the agency responsible for maintaining FIPS-55.

Completeness Report: Data completeness of the geographic names and codes reflects the contents of the Census Bureau TIGER database at the time the names and codes were used to geocode employers addresses.

Lineage:

Source Information:

Source Citation:

Citation Information:

Originator: U.S. Department of Commerce

Bureau of the Census

2112 **Publication Date:** 1996
2113 **Title:** Standard Statistical Establishment List
2114 **Edition:** 1996
2115 **Publication Information:**
2116 **Publication Place:** Washington, DC
2117 **Publisher:** U.S. Government Printing Office
2118 **Source Time Period of Content:**
2119 **Time Period Information:**
2120 **Range of Dates/Times:**
2121 **Beginning Date:** 1993
2122 **Ending Date:** 1994
2123 **Source Currentness Reference:** 1996
2124 **Source Citation Abbreviation:** SSEL
2125 **Source Contribution:** The SSEL file contains all known single and
2126 multiestablishment companies maintained and update by the Census.
2127 **Source Information:**
2128 **Source Citation:**
2129 **Citation Information:**
2130 **Originator:** U.S. Department of Commerce
2131 Bureau of the Census
2132 **Publication Date:** 1996
2133 **Title:** Annual Company Organization Survey
2134 **Edition:** 1996
2135 **Publication Information:**
2136 **Publication Place:** Washington, DC
2137 **Publisher:** U.S. Government Printing Office
2138 **Source Time Period of Content:**
2139 **Time Period Information:**
2140 **Range of Dates/Times:**
2141 **Beginning Date:** 1993
2142 **Ending Date:** 1994
2143 **Source Currentness Reference:** 1996
2144 **Source Citation Abbreviation:** ACOS
2145 **Source Contribution:** The ACOS provides individual establishment data for
2146 multiestablishment companies.
2147 **Source Information:**
2148 **Source Citation:**
2149 **Citation Information:**
2150 **Originator:** U.S. Department of Commerce
2151 Bureau of the Census
2152 **Publication Date:** 1996
2153 **Title:** Annual Survey of Manufactures
2154 **Edition:** 1996
2155 **Publication Information:**
2156 **Publication Place:** Washington, DC
2157 **Publisher:** U.S. Government Printing Office

Source Time Period of Content:**Time Period Information:****Range of Dates/Times:****Beginning Date:** 1993**Ending Date:** 1994**Source Currentness Reference:** 1996**Source Citation Abbreviation:** ASM**Source Contribution:** Data for single establishment companies are obtained from the Census Bureau's ASM and other Census Bureau programs.**Process Step:**

Process Description: County Business Patterns basic data are extracted from the Standard Statistical Establishment List, a file of all known single and multiestablishment companies maintained and updated by the Bureau of the Census. The Annual Company Organization Survey provides individual establishment data for multitestablishment companies. Data for single establishment companies are obtained from various Census Bureau programs, such as the Annual Survey of Manufactures and Current Business Surveys, as well as from administrative records of the Internal Revenue Service and the Social Security Administration.

Source Used Citation Abbreviation: SSEL**Source Used Citation Abbreviation:** ACOS**Source Used Citation Abbreviation:** ASM**Process Date:** 1996**DISTRIBUTION INFORMATION:****Distributor:****Contact Information:****Contact Organization Primary:****Contact Organization:** U.S. Government Printing Office**Contact Address:****Address Type:** Mailing address**City:** Washington**State or Province:** District of Columbia**Postal Code:** 20402**Contact Voice Telephone:** 202-512-1800**Resource Description:** County Business Patterns 1994 for the state of Maryland**Distribution Liability:** None**Standard Order Process:**

Non-digital Form: The County Business Patterns 1994 for the state of Maryland is available as a printed report.

Digital Form:**Digital Transfer Information:****Format Name:** ASCII**Format Version Number:** None**Format Version Date:** None**Digital Transfer Option:****Online Option:****Computer Contact Information:**

Network Address:**Network Resource Name:**<<http://www.census.gov/prod/2/bus/cbp94/cbp94-22.pdf>>**Offline Option:****Offline Media:** CD-ROM**Recording Format:** ISO 9660

Fees: Non-digital Form - The cost is \$6.00 for the printed report. Digital Form - Free to download the Online report. Otherwise, contact the Census Bureau for digital products as prices are subject to change.

Ordering Instructions: To order the County Business Patterns 1994 for the state of Maryland printed report, contact the Government Printing Office at 202-512-1800. To order the County Business Patterns 1994 for the state of Maryland CD-ROM, computer tapes or diskettes versions contact:

Customer Services Branch
Administrative and Customer Services Division
Bureau of the Census
Washington, DC 20233
Telephone: 301-457-4100
Fax Telephone: 888-249-7295

Custom Order Process: Special Tabulations, including data for ZIP Codes and aggregated by firm are available on a cost-reimbursable basis. For more information contact:

Bureau of the Census
Economic Planning and Coordination Division
Survey Processing and Products Branch
Washington, DC 20233
Telephone: 301-457-2580
Fax Telephone: 301-457-4433
E-mail: cbp@census.gov

Technical Prerequisites: Internet access required to use Digital Transfer Option

METADATA REFERENCE INFORMATION:

Metadata Date: 199809

Metadata Contact:**Contact Information:****Contact Organization Primary:****Contact Organization:**

U.S. Department of Commerce
Bureau of the Census
Economic Planning and Coordination Division
Survey Processing and Products Branch

Contact Address:

Address Type: Mailing Address

Address: Bureau of the Census

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Postal Code: 20233

Country: United States of America

2250 **Contact Voice Telephone:** 301-457-2580
2251 **Contact Fax Telephone:** 301-457-4433
2252 **Contact Electronic Mail Address:** cbp@census.gov
2253 **Metadata Standard Name:** Metadata Profile for Geospatially Referenced Cultural and
2254 Demographic Data
2255 **Metadata Standard Version:** Version 1.0